

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2020 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2020 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

Waterway			Bank	Unit Miles
Unit No. 01 Yankee Slough			Right	4.12
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/30/2020 - 3/30/2020			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/30/2020 03/30/2020	Sterling York

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD1001_01_s_2012_1				
Comment Code					
Inspector Comment					
The LMA has flood fight supplies on hand at their district office.					

No Photos

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD1001_01_s_2012_2				
Comment Code					
Inspector Comment					
The LMA participates in the flood fight class put on by RD784 and DWR annually.					

No Photos

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD1001_01_s_2012_3				
Comment Code					
Inspector Comment					
The LMA has a copy of the O&M manuals at the district office.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/30/2020 03/30/2020	Sterling York

LM Start	0.01	Rating **	A	Issue No.	10
LM End	4.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.980182 °	38.970514 °
				-121.470263 °	-121.534444 °
DWR ID	DWR_RD1001_01_s_2020_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_36\_10\_20200406\_00017.jpg



View looking upstream landside at the well maintained annual vegetation, Spring 2020.

LM Start	0.01	Rating **	A	Issue No.	11
LM End	4.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.980182 °	38.970514 °
				-121.470263 °	-121.534444 °
DWR ID	DWR_RD1001_01_s_2020_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_36\_11\_20200406\_00016.jpg



View looking upstream waterside at the well maintained annual vegetation, Spring 2020.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/30/2020 03/30/2020	Sterling York

LM Start	0.37	Rating **	U	Issue No.	26
LM End	0.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.976294 °	38.976294 °
				-121.474524 °	-121.474524 °
DWR ID	DWR_RD1001_01_f _ 2016_26				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_36\_26\_20200406\_00019.jpg



View of prunings on landside toe looking upstream, Spring 2020.

LM Start	0.42	Rating **	M	Issue No.	16
LM End	0.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.975782 °	38.975782 °
				-121.475321 °	-121.475321 °
DWR ID	DWR_RD1001_01_s_2015_16				
Comment Code					
DE : Debris					
Inspector Comment					
Remove debris from levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_36\_16\_20200227\_00010.jpg



View looking upstream at concrete debris on landside slope.

LM Start	0.51	Rating **	C	Issue No.	27
LM End	0.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.975308 °	38.975308 °
				-121.476731 °	-121.476731 °
DWR ID	DWR_RD1001_01_s_2017_27				
Comment Code					
PR : Prunings					
Inspector Comment					
Debris/prunings at landside levee toe has been removed, Spring 2020.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

## Reclamation District No. 1001 Nicolaus

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/30/2020 03/30/2020	Sterling York

LM Start	0.73	Rating **	A/W	Issue No.	9 (cont)	
LM End	0.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.975046 °	38.975038 °	
				-121.480938 °	-121.481151 °	
DWR ID	LMA-15					

Photo 3 of 3 : LEVAL\_SP\_2020\_135\_303.jpg



LM Start	0.98	Rating **	C	Issue No.	18
LM End	0.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.974284 °	38.974284 °
				-121.485362 °	-121.485362 °
DWR ID	DWR_RD1001_01_f _ 2018_18				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings hae been removed off the levee toe, Spring 2020.					

No Photos

LM Start	1.30	Rating **	U	Issue No.	7
LM End	1.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.972645 °	38.972645 °
				-121.490638 °	-121.490638 °
DWR ID	DWR_RD1001_01_f_2014_7				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings need to be removed off the levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_36\_7\_20200406\_00018.jpg



View of the landside looking upstream at prunings stacked up at the levee toe, Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/30/2020 03/30/2020	Sterling York

LM Start	1.53	Rating **	M	Issue No.	28
LM End	1.53	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.970622 °	38.970622 °
				-121.494171 °	-121.494171 °
DWR ID	22526				
Comment Code					
Inspector Comment					
DS_ID:22526 FS_ID:42016 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/22/2013 Dense vegetation should be removed. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 36-inch standpipe and service pole at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 5/22/2013					

No Photos

LM Start	2.01	Rating **	C	Issue No.	22
LM End	2.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.971093 °	38.971093 °
				-121.502895 °	-121.502895 °
DWR ID	DWR_RD1001_01_f_2016_22				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings at levee toe have been removed, Spring 2020.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/30/2020 03/30/2020	Sterling York

LM Start	2.22	Rating **	C	Issue No.	6
LM End	2.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.969304 °	38.969304 °
				-121.506050 °	-121.506050 °
DWR ID	DWR_RD1001_01_f_2014_6				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings at levee toe have been removed, Spring 2020.					

No Photos

LM Start	2.97	Rating **	C	Issue No.	14
LM End	2.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.966651 °	38.966651 °
				-121.518940 °	-121.518940 °
DWR ID	DWR_RD1001_01_s_2018_14				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings from levee toe have been removed, Spring 2020.					

No Photos

LM Start	3.12	Rating **	M	Issue No.	5
LM End	3.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.965663 °	38.965705 °
				-121.521023 °	-121.522098 °
DWR ID	DWR_RD1001_01_s_2012_5				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2020\_RD1001\_36\_5\_20200227\_00002.jpg



Unit 1 Landscaping on landside levee slope.

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
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**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/30/2020 03/30/2020	Sterling York

LM Start	3.12	Rating **	M	Issue No.	5 (cont)
LM End	3.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.965663 °	38.965705 °
				-121.521023 °	-121.522098 °
DWR ID	DWR_RD1001_01_s_2012_5				

Photo 2 of 2 : SP\_2020\_RD1001\_36\_5\_20200227\_00003.jpg



View of landscaping on landside slope.

LM Start	3.13	Rating **	M	Issue No.	20
LM End	3.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.965663 °	38.965672 °
				-121.521267 °	-121.521919 °
DWR ID	DWR_RD1001_01_f_2016_20				
Comment Code					
FE : Fence					
Inspector Comment					
Land owner has installed an unpermitted fence on the landside levee slope.					

Photo 1 of 1 : SP\_2020\_RD1001\_36\_20\_20200227\_00011.jpg



View of a fence on the landside levee slope looking upstream.

LM Start	3.21	Rating **	U	Issue No.	4
LM End	3.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.965699 °	38.965699 °
				-121.522790 °	-121.522790 °
DWR ID	DWR_RD1001_01_f_2015_4				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_36\_4\_20200227\_00001.jpg



View of the landscaping at the landside levee toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/30/2020 03/30/2020	Sterling York

LM Start	3.76	Rating **	A/W	Issue No.	12
LM End	3.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.966371 °	38.966371 °
				-121.532315 °	-121.532315 °
DWR ID	DWR_RD1001_01_s _ 2020_12				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2020 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

Waterway			Bank	Unit Miles
Unit No. 02 Yankee Slough			Left	3.65
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/30/2020 - 3/30/2020			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/30/2020 03/30/2020	Sterling York

LM Start	0.01	Rating **	A	Issue No.	9
LM End	3.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.971342 °	38.965658 °
				-121.473997 °	-121.533276 °
DWR ID	DWR_RD1001_02_s _ 2020_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_9\_20200406\_00024.jpg



View looking downstream landside at the well maintained annual vegetation, Spring 2020.

LM Start	0.01	Rating **	A	Issue No.	14
LM End	3.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.971342 °	38.965658 °
				-121.473997 °	-121.533276 °
DWR ID	DWR_RD1001_02_s _ 2020_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_14\_20200406\_00025.jpg



View looking downstream waterside at the well maintained annual vegetation, Spring 2020.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/30/2020 03/30/2020	Sterling York

LM Start	0.24	Rating **	M	Issue No.	53
LM End	0.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.974103 °	38.974103 °
				-121.475948 °	-121.475948 °
DWR ID	22536				
Comment Code					
Inspector Comment					
DS_ID:22536 FS_ID:41673 EP_NO: 5562 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2013 Pipe appears abandoned and if so should be done so properly. WS pipe plugged with stopper. Seems abandoned. Only abandoned pump base found. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 6-inch coated steel irrigation pipe through the levee, 3.5 feet below the crown. Metal cutoff collar placed on the pipe at the center of the levee crown. Pump was removed. Pump base on the waterside (WS) berm. Shutoff valve on the discharge side of the pump. Foot valve below water on the intake side of the pump. Siphon breaker on the landside (LS) shoulder. Pipe discharges into underground irrigation system on the LS. Power pole and meter box, 10 feet from the landward toe. 1.5-inch flexible conduit through levee, 3.5 feet below the crown. (Pump and 6-inch irrigation pipe authorized under Permit No. 5562, 1966 - Samuel B. Single). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 5/23/2013					

LM Start	<b>0.24</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>0.24</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_41673\_22745.jpg



Levee Crown: dense vegetation on levee crown and sides.

Photo 2 of 3 : UCIP\_SP\_2020\_41673\_22744.jpg



WS- plugged pipe and pump base.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/30/2020 03/30/2020	Sterling York

LM Start	<b>0.24</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>0.24</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.974103 °	38.974103 °	
			-121.475948 °	-121.475948 °	
DWR ID	22536				

Photo 3 of 3 : UCIP\_SP\_2020\_41673\_22743.jpg



LS- only pipe air vent found on levee slope.

LM Start	<b>0.47</b>	Rating **	M	Issue No.	<b>54</b>
LM End	<b>0.47</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.974329 °	38.974329 °	
			-121.480043 °	-121.480043 °	
DWR ID	22529				

**Comment Code**

**Inspector Comment**

DS\_ID:22529  
FS\_ID:50740  
EP\_NO: 2281  
Repair Type: Non-Urgent  
Crossing Status: Not Found  
UCIP Comments: 01/17/2019 Records detailing the actions taken for the removal of the 7-inch pipe were recorded under file name LI10703\_79259 document 20141008 CVFPB letter of acknowledgement available through permit records. (O. Magana - DWR UCIP)  
07/13/2016 According to district president Joe Henderson, pipe was removed 2-3 years ago. No permit for removal found or evidence of pipe or its removal found. (K. Fazel - UCIP)  
05/23/2013:- leaky pipe end and erosion on WS.- cracked dirt mound on LS - seems not been used for some time. (P. Amaty - DWR)  
FIELD\_STRUCT\_DESC: \*REMOVED\* 7-inch steel irrigation pipe through the levee, 1.9 feet below the crown. Portable pump mounted on the bank during the summer months. Control valve on the waterside (WS). Steel plate bolted on the WS end during the winter months. Pipe discharges into a 30-inch concrete standpipe at the landside (LS) toe. (Pump and 7-inch irrigation pipe authorized under Permit No. 2281, 1956 - Willard R. Brown; 7-inch pipe through levee and concrete standpipe located on LS were removed as part of the 2013 USACE Periodic Inspection). [Additional Reference(s): DWR Levee Log, 1993].  
FS Date: 7/13/2016

Photo 1 of 3 : UCIP\_SP\_2020\_50740\_22753.jpg



WS- end of the pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/30/2020 03/30/2020	Sterling York

LM Start	<b>0.47</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>0.47</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.974329 °	38.974329 °	
			-121.480043 °	-121.480043 °	
DWR ID	22529				

Photo 2 of 3 : UCIP\_SP\_2020\_50740\_22752.jpg



WS- seems abandoned or not been used for some time.

LM Start	<b>0.47</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>0.47</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_50740\_22751.jpg



WS- due to water leak, soil around pipe eroded.

LM Start	0.53	Rating **	M	Issue No.	19
LM End	0.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.974371 °	38.974371 °
				-121.481223 °	-121.481223 °
DWR ID	DWR_RD1001_02_f_2016_19				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
Remove boat parked at the landside levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_19\_20200406\_00026.jpg



View looking upstream of a boat at the landside levee toe, Spring 2020.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/30/2020 03/30/2020	Sterling York

LM Start	0.54	Rating **	M	Issue No.	7
LM End	0.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.974346 °	38.974346 °
				-121.481425 °	-121.481425 °
DWR ID	DWR_RD1001_02_s_2020_7				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove landscape vegetation from levee slope, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_7\_20200406\_00027.jpg



View looking upstream landside at landscape vegetation at levee toe, Spring 2020.

LM Start	0.54	Rating **	M	Issue No.	21
LM End	0.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.974348 °	38.974348 °
				-121.481498 °	-121.481498 °
DWR ID	DWR_RD1001_02_f_2016_21				
Comment Code					
TA : Tank					
Inspector Comment					
Tank at landside levee toe needs to be removed from easement, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_21\_20200406\_00028.jpg



View looking downstream landside at fuel tank, Spring 2020.

LM Start	0.63	Rating **	M	Issue No.	8
LM End	0.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.974201 °	38.974201 °
				-121.483010 °	-121.483010 °
DWR ID	DWR_RD1001_02_s_2020_8				
Comment Code					
BU : Building					
Inspector Comment					
Shed at levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_8\_20200406\_00029.jpg



View looking landside of a shed at levee toe, Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/30/2020 03/30/2020	Sterling York

LM Start	0.78	Rating **	M	Issue No.	22
LM End	0.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.973509 °	38.973509 °
				-121.485668 °	-121.485668 °
DWR ID	DWR_RD1001_02_f _ 2016_22				
Comment Code					
DE : Debris					
Inspector Comment					
Debris has been piled up, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_22\_20200406\_00030.jpg



View of debris pile on the landside levee slope looking downstream, Spring 2020.

LM Start	1.31	Rating **	M	Issue No.	12
LM End	1.31	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.969830 °	38.969830 °
				-121.493994 °	-121.493994 °
DWR ID	DWR_RD1001_02_s_2015_12				
Comment Code					
MA : Material					
Inspector Comment					
Sand pile needs to be removed from waterside slope, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_12\_20200406\_00031.jpg



View of a pile of soil on the waterside slope looking downstream, Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/30/2020 03/30/2020	Sterling York

LM Start	1.33	Rating **	M	Issue No.	4
LM End	1.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.969740 °	38.969640 °
				-121.494327 °	-121.494829 °
DWR ID	DWR_RD1001_02_f_2018_4				
Comment Code					
Inspector Comment					
2017 Site ID: YAS 1.7 L					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2011 - New erosion site. Steep eroding slope. Fairly old scarp with vegetation growth.					

No Photos

LM Start	1.70	Rating **	M	Issue No.	23
LM End	1.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.970260 °	38.970260 °
				-121.501246 °	-121.501246 °
DWR ID	DWR_RD1001_02_f_2016_23				
Comment Code					
TA : Tank					
Inspector Comment					
Two tanks are at the landside levee toe and should be moved from the easement.					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_23\_20200227\_00012.jpg



View of two tanks that are at the landside levee toe.

LM Start	1.71	Rating **	M	Issue No.	18
LM End	1.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.970264 °	38.970264 °
				-121.501343 °	-121.501343 °
DWR ID	DWR_RD1001_02_s_2016_18				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_18\_20200227\_00007.jpg



Shed at landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/30/2020 03/30/2020	Sterling York

LM Start	1.74	Rating **	U	Issue No.	10
LM End	1.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.970353 °	38.970353 °
				-121.501935 °	-121.501935 °
DWR ID	DWR_RD1001_02_s_2012_10				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_10\_20200227\_00003.jpg



RD 1001 Unit 2 - L/S -Landscaping - Trees

LM Start	1.75	Rating **	U	Issue No.	11
LM End	1.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.970347 °	38.970347 °
				-121.502027 °	-121.502027 °
DWR ID	DWR_RD1001_02_s_2012_11				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_11\_20200227\_00004.jpg



View looking upstream landside at an unpermitted building at levee toe.

LM Start	1.88	Rating **	M	Issue No.	6
LM End	1.88	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.969489 °	38.969489 °
				-121.504155 °	-121.504155 °
DWR ID	DWR_RD1001_02_f_2015_6				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The farmer will not allow these stumps to be removed at this time, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_35\_6\_20200227\_00002.jpg



View of large stump at the landside levee toe.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/30/2020 03/30/2020	Sterling York

LM Start	1.89	Rating **	M	Issue No.	13
LM End	1.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.969423 °	38.969423 °
				-121.504225 °	-121.504225 °
DWR ID	DWR_RD1001_02_f_2015_13				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The farmer must not allow these stumps to be removed at this time, Spring 2020.					

View of large stump at the landside levee toe.

LM Start	1.90	Rating **	M	Issue No.	5
LM End	1.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.969261 °	38.969261 °
				-121.504429 °	-121.504429 °
DWR ID	DWR_RD1001_02_f _ 2017_5				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The farmer will not allow these stumps to be removed at this time, Spring 2020.					

View looking downstream landside at a large stump that needs to be removed.

LM Start	2.28	Rating **	M	Issue No.	52
LM End	2.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.967402 °	38.967515 °
				-121.510850 °	-121.515270 °
DWR ID	DWR_RD1001_02_s_2012_52				
Comment Code					
DT : Ditch					
Inspector Comment					

View of landside irrigation ditch looking downstream.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable        C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/30/2020 03/30/2020	Sterling York

LM Start	2.28	Rating **	M	Issue No.	55	
LM End	2.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.967403 °		38.967403 °
				-121.510953 °		-121.510953 °
DWR ID	22543					
Comment Code						
Inspector Comment						
DS_ID:22543 FS_ID:14008 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2013 - slide gate in inlet pipe on landside - pits on pipe due to corrosion (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate and concrete U-shaped headwall at outfall on the waterside (WS) end. Slide gate at inlet on the landside (LS) end. (Reclamation District No. 1001). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (Station 67+75)]. FS Date: 5/23/2013						

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>2.28</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_14008\_23108.jpg



WS- overview of waterside of the levee.

Photo 2 of 3 : UCIP\_SP\_2020\_14008\_23107.jpg



WS- outfall pipe with flap gate in concrete wing wall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/30/2020 03/30/2020	Sterling York

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>2.28</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.967403 °	38.967403 °
				-121.510953 °	-121.510953 °
DWR ID	22543				

Photo 3 of 3 : UCIP\_SP\_2020\_14008\_23106.jpg



LS- slide gate in inlet pipe structure

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2020 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

Waterway			Bank	Unit Miles
Unit No. 03 Bear River			Left	12.58
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/30/2020 - 3/30/2020			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	0.01	Rating **	A	Issue No.	6
LM End	12.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.006578 °	38.941648 °
				-121.375132 °	-121.567352 °
DWR ID	DWR_RD1001_03_s_2020_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_6\_20200407\_00028.jpg



View looking downstream landside at the well maintained annual vegetation, Spring 2020.

LM Start	0.01	Rating **	A	Issue No.	8
LM End	12.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.006578 °	38.941648 °
				-121.375132 °	-121.567352 °
DWR ID	DWR_RD1001_03_s_2020_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_8\_20200407\_00027.jpg



View looking downstream waterside at the well maintained annual vegetation, Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	0.88	Rating **	M	Issue No.	911
LM End	0.88	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006508 °	39.006508 °
				-121.391086 °	-121.391086 °
DWR ID	22549				
Comment Code					
Inspector Comment					
DS_ID:22549 FS_ID:14128 EP_NO: 958 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/21/2013 - slide gate on WS not found- needs abandoned properly. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch irrigation pipe of an unknown material through the levee, at an unknown depth. Slide gate on the waterside (WS) end. (24-inch irrigation pipe authorized under Permit No. 958, 1944 - Frank B. Lichty and Maggie Lichty). FS Date: 5/21/2013					

LM Start	<b>0.88</b>	Rating **	M	Issue No.	<b>911 (cont)</b>
LM End	<b>0.88</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_14128\_23308.jpg



WS- abandoned CMP on berm of the levee.

Photo 2 of 3 : UCIP\_SP\_2020\_14128\_23307.jpg



WS- abandoned CMP and depression around it.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	0.88	Rating **	M	Issue No.	911 (cont)
LM End	0.88	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006508 °	39.006508 °
				-121.391086 °	-121.391086 °
DWR ID	22549				

Photo 3 of 3 : UCIP\_SP\_2020\_14128\_23309.jpg



LS- no pipe or structure found on landside.

LM Start	1.16	Rating **	M	Issue No.	3
LM End	1.78	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.005730 °	38.999534 °
				-121.396111 °	-121.404395 °
DWR ID	DWR_RD1001_03_s_2012_3				
Comment Code					
PO : Pole					
Inspector Comment					
Unpermitted Power Poles on the crown along waterside shoulder.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_3\_20200407\_00029.jpg



View of Power Poles along waterside shoulder, Spring 2020.

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	1.85	Rating **	M	Issue No.	912
LM End	1.85	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998780 °	38.998780 °
				-121.405322 °	-121.405322 °
DWR ID	22561				

**Comment Code**

**Inspector Comment**

DS\_ID:22561  
FS\_ID:41727  
EP\_NO: 4505  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 05/21/2013 Two small steel pipes sleeved through 30-inch CMP may be a compliance issue as slide gate cannot close.- this may have been converted into drainage pipe (?) - big CMP standpipe on WS. (P. Amatya - DWR UCIP)  
FIELD\_STRUCT\_DESC: 30-inch concrete encased corrugated metal irrigation pipe through the levee, 11 feet below the crown. Concrete headwall and slide gate at the waterside (WS) toe, removed. Metal walkway on the WS to the slide gate. Pipe discharges into a 48-inch concrete standpipe at the landside (LS) toe. Two vertical pumps. (30-inch concrete encased corrugated metal irrigation pipe authorized under Permit No. 4505, 1964 - State of California, Department of Public Works, Division of Highways). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (Station 949+00), 30-inch steel pipe referenced].  
FS Date: 5/21/2013

LM Start	<b>1.85</b>	Rating **	M	Issue No.	<b>912 (cont)</b>
LM End	<b>1.85</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_41727\_23325.jpg



WS- steel walkway, CMP and concrete headwall

Photo 2 of 3 : UCIP\_SP\_2020\_41727\_23324.jpg



WS- CMP standpipe, pipes and concrete headwall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	1.85	Rating **	M	Issue No.	912 (cont)
LM End	1.85	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998780 °	38.998780 °
				-121.405322 °	-121.405322 °
DWR ID	22561				

Photo 3 of 3 : UCIP\_SP\_2020\_41727\_23323.jpg



WS- two steel pipes are sleeved through 30-inch CMP.

LM Start	2.58	Rating **	M	Issue No.	16
LM End	2.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.995610 °	38.995610 °
				-121.417846 °	-121.417846 °
DWR ID	DWR_RD1001_03_s_2017_16				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings at levee toe need to be removed, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_16\_20200407\_00032.jpg



View looking downstream landside at debris and prunings at the levee toe, Spring 2020.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 1001 Nicolaus

LS- a big tree inside concrete standpipe.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	2.59	Rating **	M	Issue No.	36
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.995583 °	38.995583 °
				-121.417995 °	-121.417995 °
DWR ID	DWR_RD1001_03_s_2015_36				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Tree less than 4" in diameter should be removed, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_36\_20200407\_00030.jpg



View of a small starter tree on landside slope looking downstream that is less than 4" in diameter, Spring 2020.

LM Start	2.73	Rating **	M	Issue No.	15
LM End	2.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.995119 °	38.994920 °
				-121.420498 °	-121.421326 °
DWR ID	DWR_RD1001_03_s_2020_15				
Comment Code					
DE : Debris					
Inspector Comment					
Remove debris at levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_15\_20200407\_00033.jpg



View looking downstream landside at debris and prunings at the levee toe, Spring 2020.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	2.87	Rating **	M	Issue No.	53
LM End	2.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.994543 °	38.994211 °
				-121.422884 °	-121.424292 °
DWR ID	DWR_RD1001_03_f _ 2017_53				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_53\_20200407\_00035.jpg



View looking downstream landside of prunings on levee slope, Spring 2020.

LM Start	2.96	Rating **	C	Issue No.	5
LM End	2.96	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.994143 °	38.994143 °
				-121.424529 °	-121.424529 °
DWR ID	DWR_RD1001_03_f_2015_5				
Comment Code					
PR : Prunings					
Inspector Comment					
Trimmings and debris from levee slope were removed, Spring 2020.					

No Photos

LM Start	3.03	Rating **	M	Issue No.	54
LM End	3.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.993838 °	38.993838 °
				-121.425829 °	-121.425829 °
DWR ID	DWR_RD1001_03_f_2017_54				
Comment Code					
PO : Pole					
Inspector Comment					
There is a guy wire in the levee slope near the crown.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_54\_20200227\_00018.jpg



View looking downstream landside of a guy wire into the levee slope.

**\* Location**

LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	3.50	Rating **	M	Issue No.	17
LM End	3.50	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.991845 °	38.991845 °
				-121.434122 °	-121.434122 °
DWR ID	DWR_RD1001_03_s_2020_17				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_17\_20200407\_00036.jpg



View looking downstream landside of prunings on levee slope, Spring 2020.

LM Start	3.52	Rating **	A/W	Issue No.	906
LM End	3.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.991745 °	38.991745 °
				-121.434398 °	-121.434398 °
DWR ID	DWR_RD1001_03_s_2012_906				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.61	Rating **	M	Issue No.	20
LM End	3.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.991230 °	38.991207 °
				-121.435918 °	-121.437433 °
DWR ID	DWR_RD1001_03_f_2016_20				
Comment Code					
PO : Pole					
Inspector Comment					
Unpermitted pole line and guy wires are located on the landside toe.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_20\_20200227\_00013.jpg



View looking downstream of unpermitted pole.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Reclamation District No. 1001 Nicolaus

No Photos

Irrigation pipe and equipment within the easement of the levee, Spring 2020.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	4.06	Rating **	A/W	Issue No.	24
LM End	4.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.991370 °	38.991370 °
				-121.444351 °	-121.444351 °
DWR ID	DWR_RD1001_03_f _ 2016_24				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bushes have been trimmed up for access and visibility.					

No Photos

LM Start	4.24	Rating **	M	Issue No.	26
LM End	4.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.991926 °	38.991926 °
				-121.447669 °	-121.447669 °
DWR ID	DWR_RD1001_03_s_2017_26				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Remove drip irrigation and trash from levee slope. Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_26\_20200407\_00038.jpg



View looking downstream landside drip irrigation and trash on levee slope, Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	4.47	Rating **	M	Issue No.	35
LM End	4.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.991864 °	38.991864 °
				-121.451770 °	-121.451770 °
DWR ID	DWR_RD1001_03_s_2017_35				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Remove drip irrigation along levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_35\_20200407\_00039.jpg



View looking downstream landside of drip irrigation and trash on levee slope, Spring 2020.

LM Start	4.47	Rating **	C	Issue No.	9
LM End	4.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.991862 °	38.991400 °
				-121.451848 °	-121.455901 °
DWR ID	DWR_RD1001_03_s_2013_9				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings from levee toe have been burned, Spring 2020.					

No Photos

LM Start	4.65	Rating **	A/W	Issue No.	58
LM End	4.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.991551 °	38.991551 °
				-121.455092 °	-121.455092 °
DWR ID	DWR_RD1001_03_s_2012_58				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bushes have been trimmed up for access and visibility.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	4.69	Rating **	M	Issue No.	19
LM End	4.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.991415 °	38.991415 °
				-121.455852 °	-121.455852 °
DWR ID	DWR_RD1001_03_s_2020_19				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from levee toe and slope, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_19\_20200407\_00040.jpg



View looking downstream landside at prunings on the levee toe and slope, Spring 2020.

LM Start	4.82	Rating **	A/W	Issue No.	910
LM End	4.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.990773 °	38.990773 °
				-121.458203 °	-121.458203 °
DWR ID	DWR_RD1001_03_s_2012_910				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bushes have been trimmed up for access and visibility.					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	6.51	Rating **	M	Issue No.	21
LM End	6.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.983953 °	38.983953 °
				-121.488081 °	-121.488081 °
DWR ID	DWR_RD1001_03_s_2020_21				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion reel down the levee slope, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_21\_20200408\_00041.jpg



View looking downstream landside at a washout running down the levee slope, Spring 2020.

LM Start	6.85	Rating **	M	Issue No.	23
LM End	6.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.983327 °	38.983327 °
				-121.494379 °	-121.494379 °
DWR ID	DWR_RD1001_03_s_2020_23				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove stumps from levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_23\_20200408\_00042.jpg



View looking downstream landside at stumps at the levee toe, Spring 2020.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	7.04	Rating **	M	Issue No.	25
LM End	7.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.982904 °	38.982849 °
				-121.497968 °	-121.498471 °
DWR ID	DWR_RD1001_03_s_2020_25				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_25\_20200408\_00043.jpg



View looking downstream landside at prunings at levee toe, Spring 2020.

LM Start	7.22	Rating **	A/W	Issue No.	13
LM End	7.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.982737 °	38.982572 °
				-121.501144 °	-121.502797 °
DWR ID	DWR_RD1001_03_f_2018_13				
Comment Code					
Inspector Comment					
2017 Site ID: BER 5.7 L					
Status: Eroding					
2017 Field Notes: Minor new erosion observed.					
Site History: 2008 - Sandy/silty banks with rotational slab failures					
creating near vertical bank with pop-outs due to tree failures. Narrow					
berm.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_13\_20200227\_00009.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	9.31	Rating **	A/W	Issue No.	44
LM End	9.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.970576 °	38.970576 °
				-121.533334 °	-121.533334 °
DWR ID	DWR_RD1001_03_f _ 2016_44				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bushes have been trimmed up for access and visibility.					

No Photos

LM Start	9.77	Rating **	M	Issue No.	29
LM End	9.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.969719 °	38.969719 °
				-121.538892 °	-121.538892 °
DWR ID	DWR_RD1001_03_s_2020_29				
Comment Code					
MA : Material					
Inspector Comment					
Remove the concrete pipe section from the levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_29\_20200409\_00045.jpg



View looking downstream landside at several concrete pipe sections at the levee toe, Spring 2020.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	10.36	Rating **	A/W	Issue No.	12
LM End	10.40	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.964583 °	38.964010 °
				-121.544967 °	-121.545228 °
DWR ID	DWR_RD1001_03_f_2018_12				
Comment Code					
Inspector Comment					
2017 Site ID: BER 2.5 L					
Status: Eroding					
2017 Field Notes: Erosion pockets have expanded					
Site History: 2011 - Large section of bank has slumped off. RD has					
flagged and appears to be watching. 2012 - Slopes slightly steeper.					
2013 - Minor new erosion observed.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_12\_20200227\_00008.jpg



USACE 2013 Photo #1

LM Start	10.49	Rating **	U	Issue No.	11
LM End	10.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.962770 °	38.962770 °
				-121.545741 °	-121.545741 °
DWR ID	DWR_RD1001_03_f_2015_11				
Comment Code					
BU : Building					
Inspector Comment					
Small sheds are at levee toe.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_11\_20200227\_00007.jpg



View of building at the landside toe.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	11.08	Rating **	A/W	Issue No.	10
LM End	11.16	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.955070 °	38.954227 °
				-121.549528 °	-121.550592 °
DWR ID	DWR_RD1001_03_f_2018_10				
Comment Code					
Inspector Comment					
2017 Site ID: BER 1.9 L					
Status: Eroding					
2017 Field Notes: Minor new erosion observed.					
Site History: 2011 - Large slumped sections of bank. 2012 - Slopes slightly steeper.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_10\_20200227\_00006.jpg



USACE 2013 Photo #1

LM Start	11.23	Rating **	A/W	Issue No.	22
LM End	11.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.953367 °	38.953025 °
				-121.551428 °	-121.551808 °
DWR ID	DWR_RD1001_03_s_2012_22				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Bushes have been trimmed for access and viability.					

No Photos

LM Start	12.18	Rating **	A/W	Issue No.	27
LM End	12.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.946248 °	38.946248 °
				-121.564220 °	-121.564220 °
DWR ID	DWR_RD1001_03_s_2012_27				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Bushes have been trimmed for access and visibility.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/30/2020 03/30/2020	Sterling York

LM Start	12.25	Rating **	M	Issue No.	14
LM End	12.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.945301 °	38.945301 °
				-121.564826 °	-121.564826 °
DWR ID	DWR_RD1001_03_s_2019_14				
Comment Code					
DE : Debris					
Inspector Comment					
Prunings have been burned but debris at levee toe needs to be removed, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_37\_14\_20200409\_00046.jpg



View looking downstream landside at debris that has been piled up on the levee toe, Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2020 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

Waterway			Bank	Unit Miles
Unit No. 04 Feather River			Left	13.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/27/2020 - 3/27/2020			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	0.01	Rating **	A	Issue No.	58
LM End	13.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.940950 °	38.781209 °
				-121.567646 °	-121.605554 °
DWR ID	DWR_RD1001_04_s _ 2020_58				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_58\_20200406\_00069.jpg



View looking upstream landside at the well maintained annual vegetation, Spring 2020.

LM Start	0.01	Rating **	A	Issue No.	59
LM End	13.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.940950 °	38.781209 °
				-121.567646 °	-121.605553 °
DWR ID	DWR_RD1001_04_s _ 2020_59				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_59\_20200406\_00070.jpg



View looking upstream waterside at the well maintained annual vegetation, Spring 2020.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	0.55	Rating **	M	Issue No.	68
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.933299 °	38.933299 °
				-121.567069 °	-121.567069 °
DWR ID	DWR_RD1001_04_s_2016_68				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage caused by ATV.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_68\_20200227\_00025.jpg



View of ruts caused by vehicle on the landside levee slope.

LM Start	1.06	Rating **	N	Issue No.	69
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.926128 °	38.926128 °
				-121.568241 °	-121.568241 °
DWR ID	DWR_RD1001_04_s_2016_69				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Remove stump from levee toe, Fall 2019.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_69\_20200227\_00026.jpg



View of landside toe of a stump that needs to be removed.

LM Start	2.27	Rating **	M	Issue No.	19
LM End	2.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.909790 °	38.909790 °
				-121.574449 °	-121.574449 °
DWR ID	DWR_RD1001_04_s_2013_19				
Comment Code					
PO : Pole					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_19\_20200227\_00008.jpg



View of unpermitted tower and guy wire on the levee slope.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	2.59	Rating **	M	Issue No.	20
LM End	2.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.905773 °	38.905773 °
				-121.577164 °	-121.577164 °
DWR ID	DWR_RD1001_04_s_2013_20				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_20\_20200227\_00009.jpg



View of buildings along the toe within the easement of the landside

LM Start	2.68	Rating **	M	Issue No.	81	
LM End	2.68	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.905089 °		38.905089 °
				-121.578477 °		-121.578477 °
DWR ID	22568					
Comment Code						
Inspector Comment						
DS_ID:22568 FS_ID:55162 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 08/21/2019 Crossing remains Non-Urgent, unable to confirm if pipe found on the WS is the same pipe referenced in the DWR Levee Log. Need to contact property owner to determine if pipe still exists. (O. Magana - DWR UCIP)05/16/2013 Dense vegetation on slopes should be cleared. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 4-inch steel swimming pool drainage pipe through the levee, 3 feet below the crown. Open on the waterside (WS) end. Swimming pool on the landside (LS) toe. (Nate Wise). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 8/21/2019 12:59:00 PM						

Photo 1 of 3 : UCIP\_SP\_2020\_55162\_24126.jpg



LS- only a private swimming pool found.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>2.68</b>	Rating **	M	Issue No.	<b>81 (cont)</b>
LM End	<b>2.68</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.905089 °	38.905089 °	
			-121.578477 °	-121.578477 °	
DWR ID	22568				

Photo 2 of 3 : UCIP\_SP\_2020\_55162\_81125.jpg



LS view: overview of LS.

LM Start	<b>2.68</b>	Rating **	M	Issue No.	<b>81 (cont)</b>
LM End	<b>2.68</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55162\_81126.jpg



Overview of levee crown where pipe should cross the levee.

LM Start	2.70	Rating **	M	Issue No.	32
LM End	2.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.904898 °	38.904898 °
				-121.578829 °	-121.578829 °
DWR ID	DWR_RD1001_04_f _ 2016_32				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_32\_20200227\_00015.jpg



View of shed at landside levee toe in the easement.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	2.76	Rating **	M	Issue No.	34
LM End	2.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.904351 °	38.904351 °
				-121.579718 °	-121.579718 °
DWR ID	DWR_RD1001_04_f_2015_34				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_34\_20200227\_00016.jpg



View of a shed in the easement of the landside levee.

LM Start	2.80	Rating **	C	Issue No.	47
LM End	2.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.903896 °	38.903896 °
				-121.580230 °	-121.580230 °
DWR ID	DWR_RD1001_04_s_2017_47				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim limbs 5' for visibility.					

No Photos

LM Start	3.16	Rating **	M	Issue No.	48
LM End	3.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.899835 °	38.899499 °
				-121.583986 °	-121.584462 °
DWR ID	DWR_RD1001_04_s_2017_48				
Comment Code					
FE : Fence					
Inspector Comment					
Fence and landscaping have been placed by the land owner and still exist on levee slope and needs to be removed, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_48\_20200227\_00023.jpg



View looking downstream landside of fence and landscaping that have been placed by the land owner on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>3.17</b>	Rating **	M	Issue No.	<b>82</b>
LM End	<b>3.17</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.899654 °	38.899654 °
				-121.584225 °	-121.584225 °
DWR ID	22574				

No Photos

Comment Code
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Inspector Comment
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DS\_ID:22574  
 FS\_ID:55163  
 EP\_NO: 2163  
 Repair Type: Non-Urgent  
 Crossing Status: Not Found  
 UCIP Comments: 08/21/2019 Crossing has been updated to Non-Urgent, no pipe was found during inspection. Unable to determine the status of the pipe through the levee. During river side survey no evidence of pipe was found. Recommend conducting a geophysical study through this area to determine if pipe is still present. (O. Magana - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 12-inch steel irrigation pipe through the levee, 6.2 feet below the crown. Portable pump mounted on the riverbank during the summer months. Siphon breaker on the landward slope. Pipe discharges into a 24-inch concrete standpipe at the landward toe. No control valves installed. (12-inch steel pipe authorized under Permit No. 2163, 1955 - Leo and Shirley Muller). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 141, Part 2, 1960, Revised 29 Dec 2016, 12-inch pipe (HLM 3.24)].  
 FS Date: 8/21/2019 1:00:00 PM

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>3.19</b>	Rating **	M	Issue No.	<b>83</b>
LM End	<b>3.19</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.899476 °	38.899476 °	
			-121.584487 °	-121.584487 °	
DWR ID	22570				
Comment Code					
Inspector Comment					
DS_ID:22570 FS_ID:55164 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/21/2019 No pipe found during river survey or land inspection. Need to determine the status of pipe. Recommend geophysical study through this area to determine if pipe is still present. Unable to confirm if pipe truly crosses levee at 0.5 feet below the crown. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 7-inch steel pipe of an unknown purpose through the levee, 0.5 feet below the crown. Open on both ends for electrical wires to the pump on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 141, Part 2, 1960, Revised 29 Dec 2016, 7-inch pipe (HLM 3.25)]. FS Date: 8/21/2019 1:00:00 PM					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	3.21	Rating **	M	Issue No.	84	
LM End	3.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.899279 °	38.899279 °	
				-121.584752 °	-121.584752 °	
DWR ID	22569					
Comment Code						
Inspector Comment						
DS_ID:22569 FS_ID:55165 EP_NO: 3511 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/21/2019 Crossing has been updated to Non-Urgent, no pipe was found during inspection. DWR Levee Log dated from 1993 indicated that line was abandoned. No signs are present of abandoned conduit. Need to determine the status of the pipe. Recommend geophysical study to determine if line is still present through the levee. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: USILF communications conduit of an unknown size or material through the levee, 3 feet below the crown. (Installation of an underground cable authorized under Permit No. 3511, 1960 - United States Army Engineer District, Sacramento, Corps of Engineers). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 8/21/2019 1:00:00 PM						

No Photos

LM Start	4.06	Rating **	M	Issue No.	62
LM End	4.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.892633 °	38.892633 °
				-121.597945 °	-121.597945 °
DWR ID	DWR_RD1001_04_s_2020_62				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the damage caused by the vehicle driving up the levee slope, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_62\_20200407\_00071.jpg



View looking at the landside levee from the toe at the vehicle tire tracks on the slope, Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	4.60	Rating **	A/W	Issue No.	33
LM End	4.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.889127 °	38.888603 °
				-121.606858 °	-121.607713 °
DWR ID	DWR_RD1001_04_f_2018_33				
Comment Code					
Inspector Comment					
2017 Site ID: FHR 7.7 L					
Status: Eroding New					
2017 Field Notes: Erosion along bank appears to be due to rapid drawdown condition. Lower bank cobbles are unraveling. Tree popout at upstream end.					

No Photos

LM Start	4.89	Rating **	U	Issue No.	85
LM End	4.89	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.886330 °	38.886330 °
				-121.611104 °	-121.611104 °
DWR ID	22571				
Comment Code					
Inspector Comment					
DS_ID:22571 FS_ID:55167 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Crossing has been updated from No Action Needed to Urgent due to a scour section found at the WS toe. Pipe was running during inspection, no leaks were observed on the WS or LS. From the river survey, a scour section was visible at WS toe. Recommend monitoring site and coordinating with LMA to evaluate extent of damage. (O. Magana - DWR UCIP)05/16/2013 - working during field survey (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 3.5 feet below the crown. 40-horsepower slant pump mounted on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. Pipe discharges into a 36-inch concrete standpipe on the LS. 1.25-inch electrical conduit through the levee, 3 feet below the crown. (no permit found authorizing 18-inch pipe; 40-horsepower slant pump and reinstallation of LS pipe authorized under Permit No. 5342, 1966 - Esther Scheiber). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 8/21/2019 1:01:00 PM					

Photo 1 of 3 : UCIP\_SP\_2020\_55167\_24121.jpg



WS- slanted pump and pipe on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>4.89</b>	Rating **	U	Issue No.	<b>85 (cont)</b>
LM End	<b>4.89</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.886330 °	38.886330 °	
			-121.611104 °	-121.611104 °	
DWR ID	22571				

Photo 2 of 3 : UCIP\_SP\_2020\_55167\_24120.jpg



WS- steel pipe daylights at levee slope.

LM Start	<b>4.89</b>	Rating **	U	Issue No.	<b>85 (cont)</b>
LM End	<b>4.89</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55167\_24122.jpg



LS- concrete stand pipe at levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	5.43	Rating **	M	Issue No.	86
LM End	5.43	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.878705 °	38.878705 °
				-121.612161 °	-121.612161 °
DWR ID	22582				
Comment Code					
Inspector Comment					
DS_ID:22582 FS_ID:55964 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/21/2019 Crossing has been updated to Non-Urgent, unable to determine the status of the pipe through the levee. No signs of pipe were found during inspection. No signs of pipe were found during river survey. Also DWR Geophysical Study did not confirm pipe crossing, record will remain in database until a future levee improvement project can confirm status of pipe through the levee. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, invert elevation 49.9 feet, USED Datum. Gate valve on the waterside (WS). [Additional Reference(s): USACE Sacramento O&M Manual 141.1, August 1955, (RM 7.0)]. FS Date: 8/21/2019 1:01:00 PM					

No Photos

LM Start	5.55	Rating **	A/W	Issue No.	79
LM End	5.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.877256 °	38.877256 °
				-121.613073 °	-121.613073 °
DWR ID	DWR_RD1001_04_s_2016_79				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 1001 Nicolaus

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	5.71	Rating **	M	Issue No.	27
LM End	5.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.874984 °	38.874984 °
				-121.614242 °	-121.614242 °
DWR ID	DWR_RD1001_04_s_2015_27				
Comment Code					
PO : Pole					
Inspector Comment					
Remove abandoned pole from levee slope, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_27\_20200407\_00072.jpg



View of pole on landside, no lines connected to it, Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	5.78	Rating **	M	Issue No.	87
LM End	5.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.874113 °	38.874113 °
				-121.614846 °	-121.614846 °
DWR ID	22573				

**Comment Code**

**Inspector Comment**

DS\_ID:22573  
FS\_ID:55170  
EP\_NO: 10389-A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 08/21/2019 Crossing remains Non-Urgent; Work still pending (logged under maintenance compliance issue), project is waiting on Status of Cultural report for Encroachment Permit Application No. 10389-A-1. Work involves modifying existing pumping plant removing and replacing existing 12-inch dia pressurized water pipe and electrical conduit, installing a 5-foot x 5-foot vault housing, new siphon breaker and butterfly valve, and name change. (O. Magana - DWR UCIP)01/24/2019 Project modification logged under Permit 10389-A-1 proposes removing and replacing existing 12-inch pressurized water pipe and conduit. Need to determine construction start date and obtain as-built drawing for new pipe. Pending actions: need to issue new UCIP dsid for new pipe and retire current dsid 22573. (O. Magana - DWR UCIP)  
05/16/2013 - water leakage causes erosion on LS slope.- may be pressure breaker valve not closed properly on LS.- a 36-inch concrete standpipe at the landward toe not found. (P. Amatya - DWR UCIP)  
FIELD\_STRUCT\_DESC: 12-inch irrigation discharge pipe of an unknown material through the levee, 10 feet below the crown. 30-horsepower slant pump on the riverbank. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) slope. Pipe discharges into a 36-inch concrete standpipe at the LS toe. Pipe installed by USACE in 1963. Switch panel and service pole at the LS toe. (12-inch pipe and a 30-horsepower slant pump authorized under Permit No. 10389-A, 1974 - Pluma Orchards, also includes removal of existing pipe). [Additional Reference(s): DWR Levee Log, 1993].  
FS Date: 8/21/2019 1:06:00 PM

Photo 1 of 3 : UCIP\_SP\_2020\_55170\_24107.jpg



WS- slanted pump station on steel platform on levee berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	5.78	Rating **	M	Issue No.	87 (cont)
LM End	5.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.874113 °	38.874113 °
				-121.614846 °	-121.614846 °
DWR ID	22573				

Photo 2 of 3 : UCIP\_SP\_2020\_55170\_24106.jpg



WS- inlet pipe on the river bank.

LM Start	<b>5.78</b>	Rating **	M	Issue No.	<b>87 (cont)</b>
LM End	<b>5.78</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55170\_24105.jpg



Enter photo 3 description or comment here.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	5.80	Rating **	A/W	Issue No.	28
LM End	5.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.874113 °	38.872373 °
				-121.615380 °	-121.616504 °
DWR ID	DWR_RD1001_04_f_2018_28				
Comment Code					
Inspector Comment					
2017 Site ID: FHR 6.6 L					
Status: Eroding					
2017 Field Notes: Sandy bank slope is unraveling.					
Site History: 2011 - Erosion pockets from tree popouts. Sections of the lower bank have slumped off. 2013 - Scallop from tree popouts no longer visible on site. Minor new erosion at the middle of the bank.					
2015 - Fres erosion from human usage.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_28\_20200227\_00012.jpg



USACE 2013 Photo #1

LM Start	6.39	Rating **	U	Issue No.	17
LM End	6.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.866032 °	38.865195 °
				-121.619489 °	-121.620017 °
DWR ID	DWR_RD1001_04_s_2012_17				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Home owners landscaping should be removed, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_17\_20200407\_00073.jpg



View looking upstream landside of landscaping vegetation on the shoulder and levee slope, Spring 2020.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	6.42	Rating **	A/W	Issue No.	18
LM End	6.51	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.865875 °	38.864706 °
				-121.619983 °	-121.620813 °
DWR ID	DWR_RD1001_04_f_2018_18				
Comment Code					
Inspector Comment					
2017 Site ID: FHR 6.0 L					
Status: Critical					
2017 Field Notes: Upgraded to critical, entire bank slope is slumping, with near vertical face					
Site History: 2011 - Tall slumping sections. Scour around trees has exposed most of the roots. 2016 - Recent large slope failure observed.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_18\_20200227\_00007.jpg



USACE 2013 Photo #1

LM Start	6.44	Rating **	M	Issue No.	88	
LM End	6.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.865387 °	38.865387 °	
				-121.619854 °	-121.619854 °	
DWR ID	22589					
Comment Code						
Inspector Comment						
DS_ID:22589 FS_ID:55965 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/21/2019 Crossing has been updated to Non-Urgent, no pipe was found through levee. No pipe or any appurtenances were found at this location. DWR Geophysical Study did not confirm presence of pipe, record will remain in database until a future levee improvement project or records are made available to determine the status of the pipe. (O. Magana - DWR UCIP)08/14/2019 Permit No. 2062 is associated with dsid 22589 and not dsid 22586 per CVFPB - Alex Acosta. Permit records indicate pipe was installed under HLM 6.84 U4 RD1001 this is believed to be an incorrect reference. Property owner at HLM 6.84 mentioned that the Domingos Rocha and Domingos E. Toledo property is associated with approximate location HLM 6.504. DMP Geophysical Evaluation report did not confirm pipe; pipe not found. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, invert elevation 40.1 feet, USED Datum. Butterfly valve on the waterside (WS). (14-inch irrigation discharge pipe and pump authorized under Permit No. 2062, 1955 - Domingos Rocha and Domingos Ernest Toledo). [Additional Reference(s): USACE Sacramento O&M Manual 141.1, August 1955, (RM 6.0)]. FS Date: 8/21/2019 1:06:00 PM						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	6.51	Rating **	M	Issue No.	89	
LM End	6.51	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.864547 °		38.864547 °
				-121.620435 °		-121.620435 °
DWR ID	22581					
Comment Code						
Inspector Comment						
DS_ID:22581 FS_ID:54607 EP_NO: 12822 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/21/2019 Crossing has been updated to Non-Urgent, unable to determine the status of the pipe through the levee. Pipe was not found during inspection by land or river. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: Irrigation discharge pipe of an unknown size or material through the levee, at an unknown depth. Slant pump with walkway and platform on the riverbank. (Irrigation discharge pipe and slant pump with walkway authorized under Permit No. 12822, 1979 - Anderson Farms Company, no pipe size referenced). FS Date: 8/21/2019 1:06:00 PM						

No Photos

LM Start	6.57	Rating **	A/W	Issue No.	15
LM End	6.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.863946 °	38.861558 °
				-121.621388 °	-121.623316 °
DWR ID	DWR_RD1001_04_f_2018_15				
Comment Code					
Inspector Comment					
2017 Site ID: FHR 5.8 L					
Status: Eroding					
2017 Field Notes: slope is not stable enough to maintain vegetation growth, new erosion					
Site History: 2011 - Large slumped sections on the lower bank. 2012 - New cracks observed.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_15\_20200227\_00005.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>6.77</b>	Rating **	M	Issue No.	<b>90</b>
LM End	<b>6.77</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.861382 °	38.861382 °	
			-121.622947 °	-121.622947 °	
DWR ID	22591				
Comment Code					
Inspector Comment					
DS_ID:22591 FS_ID:54608 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/21/2019 Crossing has been updated to Non-Urgent, unable to determine the status of the pipe through levee. Pipe not found during inspection via land or river. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 6.7 feet below the crown. Siphon breakers on the landside (LS) shoulder. Pipe discharges into a 48-inch concrete standpipe on the LS. (Installed in 1969 by USACE). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 8/21/2019 1:06:00 PM					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	6.77	Rating **	U	Issue No.	91
LM End	6.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861336 °	38.861336 °
				-121.622985 °	-121.622985 °
DWR ID	22587				

**Comment Code**

**Inspector Comment**

DS\_ID:22587  
FS\_ID:55172  
EP\_NO: 3903  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 08/21/2019 Crossing has been updated from No Action Needed to Urgent, leaky pipe visible on LS. Open cut on LS visible from LS shoulder. Owner is coordinating with CVFPB on emergency repair. Pipe has failed and is no longer in use. Refer to CVFPB Enf ID 15536 for further coordination details. (O. Magana - DWR UCIP)08/14/2019 Pipe is under enforcement action and pipe is expected to be replaced under emergency repair. Contact Alex Acosta with CVFPB for updates. (O. Magana - DWR UCIP)  
05/16/2013 - working during field survey- found steel standpipe instead of concrete standpipe.- siphon breaker on the waterward side not found. (P. Amatya - DWR UCIP)  
FIELD\_STRUCT\_DESC: 20-inch welded steel irrigation discharge pipe through the levee, 8.2 feet below the crown. 16-inch propeller pump and platform on the riverbank. Pressure breakers on the landside (LS) corrugated metal pipe (CMP) riser. Pipe discharges into a steel standpipe in the LS toe. (20-inch steel irrigation discharge pipe and 16-inch propeller pump authorized under Permit No. 3903, 1962 - White Oak Ranch).  
FS Date: 8/21/2019 1:07:00 PM

LM Start	<b>6.77</b>	Rating **	U	Issue No.	<b>91 (cont)</b>
LM End	<b>6.77</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_55172\_24060.jpg



WS- pump station on steel structure on river bank.

Photo 2 of 3 : UCIP\_SP\_2020\_55172\_24064.jpg



WS- power cable also penetrates the levee. Power cable box near steel walkway

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	6.77	Rating **	U	Issue No.	91 (cont)
LM End	6.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861336 °	38.861336 °
				-121.622985 °	-121.622985 °
DWR ID	22587				

Photo 3 of 3 : UCIP\_SP\_2020\_55172\_24063.jpg



WS- pipes visible through steel walkway deck.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	6.77	Rating **	U	Issue No.	92
LM End	6.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861336 °	38.861336 °
				-121.622985 °	-121.622985 °
DWR ID	22586				

**Comment Code**

**Inspector Comment**

DS\_ID:22586  
FS\_ID:55173  
EP\_NO: 2062  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 09/16/2019 Crossing has been updated from No Action Needed to Urgent, leaky pipe found. Record has been updated to reflect authorizing permit for the existing 14-inch pipe and new 14-inch vertical propeller pump. Pipe and pump were authorized under Permit Number 1388 in 1949, see page 12 of 12 which shows correct historic levee mile noted as "2-28-62 Now Marked Unit 4 - 6.87". (O. Magana - DWR UCIP)08/21/2019 Pipe is being addressed under CVFPB Enforcement ID 15536. Pipe appears to be leaking near the WS crown hinge point as water is beginning to penetrate. Pipe was running during inspection. (O. Magana - DWR UCIP)08/14/2019 Permit No. 2062 was incorrectly referenced per CVFPB - Alex Acosta. The correct pipe associated with Permit No. 2062 is dsid 22589. This pipe (dsid 22586) does not have a permit currently assigned to it. Pipe is under enforcement action and pipe is expected to be replaced under emergency repair. 14-inch pipe is referenced in Permit No. 3903 records. (O. Magana - DWR UCIP)  
05/16/2013 - working during field survey- found steel standpipe instead of concrete standpipe. - butterfly valve on the waterward side not found. (P. Amatya - DWR UCIP)  
FIELD\_STRUCT\_DESC: 14-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump mounted on a piling structure in the channel. Pressure valve on the landside (LS) slope. Pipe discharges into a steel standpipe on the LS toe. (14-inch pipe and pump were authorized under Permit No. 1388, 1949 - Mrs Marie Van Antwerp; existing 14-inch pipe with 25 HP vertical pump referenced in Permit No. 3903, 1962 - White Oak Ranch) [Additional Reference(s): DWR Levee Log, 1993].  
FS Date: 8/21/2019 1:07:00 PM

Photo 1 of 3 : UCIP\_SP\_2020\_55173\_24065.jpg



WS- pump station in steel structure on river bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>6.77</b>	Rating **	U	Issue No.	<b>92 (cont)</b>
LM End	<b>6.77</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.861336 °	38.861336 °	
			-121.622985 °	-121.622985 °	
DWR ID	22586				

Photo 2 of 3 : UCIP\_SP\_2020\_55173\_24069.jpg



WS- power cable near steel walkway. Power cable penetrates through the levee.

LM Start	<b>6.77</b>	Rating **	U	Issue No.	<b>92 (cont)</b>
LM End	<b>6.77</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55173\_24068.jpg



WS- steel pipes visible through steel walkway.

LM Start	7.08	Rating **	A/W	Issue No.	52
LM End	7.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.857574 °	38.857574 °
				-121.626083 °	-121.626083 °
DWR ID	DWR_RD1001_04_s_2017_52				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush has been trimmed for access and visibility.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	7.17	Rating **	M	Issue No.	93
LM End	7.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.856429 °	38.856429 °
				-121.626756 °	-121.626756 °
DWR ID	22575				

**Comment Code**

**Inspector Comment**

DS\_ID:22575  
FS\_ID:55174  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 08/21/2019 Record has been updated from No Action Needed to Non-Urgent, permit missing. No issues observed during inspection, however, no permit has been found authorizing crossing. Need to find owner for this pipe. (O. Magana - DWR UCIP)05/16/2013 Water Leaking from vent on WS at inlet pipe.- pipes exposed on both slopes of the levee.- butterfly valve not found. (P. Amatya - DWR UCIP)  
FIELD\_STRUCT\_DESC: 12-inch irrigation discharge pipe of an unknown material through the levee, 4.7 feet below the crown. Slant pump mounted on a steel structure on the riverbank. Butterfly valve on the waterside (WS). Pipe discharges into a 36-inch concrete standpipe at the landside (LS) toe. (Toledo). [Additional Reference(s): DWR Levee Log, 1993].  
FS Date: 8/21/2019 1:07:00 PM

LM Start	<b>7.17</b>	Rating **	M	Issue No.	<b>93 (cont)</b>
LM End	<b>7.17</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_55174\_24041.jpg



WS- slanted pump station, pipe, power pole on river bank.

Photo 2 of 3 : UCIP\_SP\_2020\_55174\_24040.jpg



WS- water leaking from air vent on inlet pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Reclamation District No. 1001 Nicolaus

WS- steel pipe exposed on levee slope.

USACE 2013 Photo #1

Site History: 2000 - Steep bank off berm with some slumps and fallen trees, continued erosion. 2002 - Site lengthened upstream and downstream due to vertical bank along most of the reach. 2010 - Site extended upstream. 2011 - Minimal new erosion. 2012 - Site extended on the upstream end, new tree pop-out, and bank erosion continues to worsen. 2013 - Minor new erosion at the toe and top of bank.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	7.60	Rating **	A/W	Issue No.	36
LM End	7.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.850521 °	38.850521 °
				-121.629423 °	-121.629423 °
DWR ID	DWR_RD1001_04_f _ 2015_36				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Ramp has vertical cut into the levee prism.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_36\_20200227\_00020.jpg



View of vertical cut for ramp in the landside levee slope looking upstream.

LM Start	7.92	Rating **	U	Issue No.	94
LM End	7.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.846029 °	38.846029 °
				-121.631005 °	-121.631005 °
DWR ID	22576				
Comment Code					
Inspector Comment					
DS_ID:22576 FS_ID:55175 EP_NO: 2931 Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Record has been updated from No Action Needed to Urgent due to an unauthorized cut on the WS. Unauthorized open cut visible on WS berm. CMP riser located on the LS toe has been replaced. Need to contact owner to determine if CVFPB has been contacted for the open cut and concrete work proposed on WS berm. DWR Levee Inspector, S. York, has been notified of the issue. (O. Magana - DWR UCIP)05/16/2013 - working during field survey- pipe expose on LS. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 4.9 feet below the crown. 18-inch, 50-horsepower slant pump mounted on a steel structure on the riverbank. Siphon breaker in a 6-inch steel riser on the landside (LS) shoulder. Pipe discharges into a 36-inch corrugated metal pipe (CMP) riser on the LS slope. (18-inch, 50-horsepower slant pump and irrigation discharge pipe authorized under Permit No. 2931, 1958 - Aileen Marty). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 8/21/2019 1:08:00 PM					

Photo 1 of 3 : UCIP\_SP\_2020\_55175\_24033.jpg



WS- slanted pump station with steel structure, and service pole on river bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>7.92</b>	Rating **	U	Issue No.	<b>94 (cont)</b>
LM End	<b>7.92</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.846029 °	38.846029 °	
			-121.631005 °	-121.631005 °	
DWR ID	22576				

Photo 2 of 3 : UCIP\_SP\_2020\_55175\_24032.jpg



WS- inlet steel pipe and main steel pipe in pump station on river bank.

LM Start	<b>7.92</b>	Rating **	U	Issue No.	<b>94 (cont)</b>
LM End	<b>7.92</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55175\_24031.jpg



LS- siphon breaker, exposed steel pipe, and CM standpipe on landside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

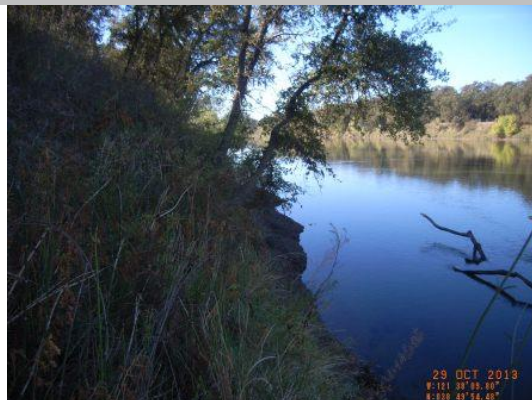
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	8.45	Rating **	M	Issue No.	38
LM End	8.59	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.838550 °	38.836601 °
				-121.633125 °	-121.633701 °
DWR ID	LMA-20				
Comment Code					
Inspector Comment					
2017 Storm Damage Site Site ID No:140 Site Designation:LMA-20 This site was recommended to receive additional rock during flood fight by Wilbur Huang but resources weren't available at the time. 4 seepage berms were installed during the storms, but more are needed between them.					

No Photos

LM Start	8.59	Rating **	A/W	Issue No.	13
LM End	9.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.836601 °	38.824642 °
				-121.633701 °	-121.639534 °
DWR ID	DWR_RD1001_04_f_2018_13				
Comment Code					
Inspector Comment					
2017 Site ID: FHR 3.8 L					
Status: Eroding					
2017 Field Notes: New erosion along lower slope					
Site History: 2006 - Sandy, silty bank with intermittent pockets of erosion. Rotational failure and tree pop outs are most of the problem. Some upper slope fluvial erosion. 2010 - Site extended upstream. The lower Feather may benefit from a regional repair. 2011 - Site combined with 3.6. Minimal new erosion. 2013 - New erosion observed at bank toe. Trees on site now have exposed roots.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_13\_20200227\_00003.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	8.65	Rating **	A/W	Issue No.	12
LM End	8.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.835766 °	38.834778 °
				-121.633966 °	-121.634316 °
DWR ID	DWR_RD1001_04_s_2012_12				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush has been trimmed for access and visibility.					

No Photos

LM Start	9.15	Rating **	M	Issue No.	95	
LM End	9.15	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.828893 °	38.828893 °	
				-121.637219 °	-121.637219 °	
DWR ID	22577					
Comment Code						
Inspector Comment						
DS_ID:22577 FS_ID:55177 EP_NO: 12828 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Record remains Non-Urgent, unable to complete a thorough inspection of this levee section. Dense vegetation at both the WS slope/berm and LS toe prevented a thorough inspection of this crossing. (O. Magana - DWR UCIP)05/16/2013 - needs detailed investigation for road surface cracks (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 16-inch asphalt coated steel irrigation discharge pipe through the levee, 4.3 feet below the crown. 30-horsepower slant pump and platform on the riverbank. (16-inch irrigation discharge pipe and 30-horsepower slant pump authorized under Permit No. 12828, 1979. It is assumed that this 16-inch pipe replaces the abandoned 10-inch steel pipe referenced in the O&M Manual). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (RM 3.3), abandoned 10-inch steel pipe referenced]. FS Date: 8/21/2019 1:08:00 PM						

Photo 1 of 3 : UCIP\_SP\_2020\_55177\_24002.jpg



WS- slanted pipe in steel structure on river bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

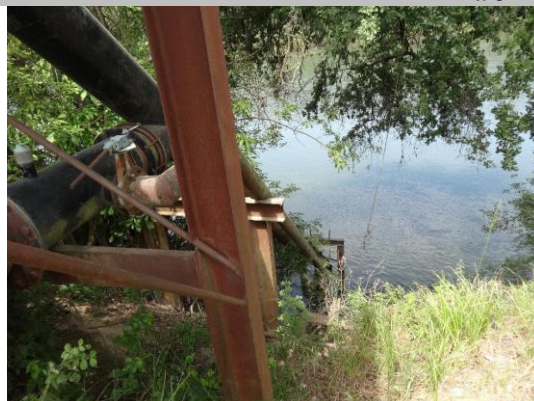
**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>9.15</b>	Rating **	M	Issue No.	<b>95 (cont)</b>
LM End	<b>9.15</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.828893 °	38.828893 °	
			-121.637219 °	-121.637219 °	
DWR ID	22577				

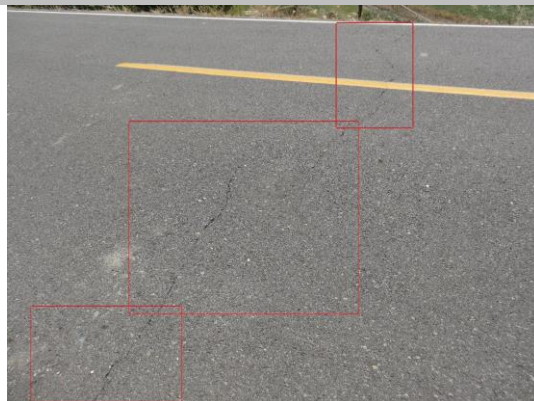
Photo 2 of 3 : UCIP\_SP\_2020\_55177\_24001.jpg



WS- inlet pipe and main pipe in pump station on river bank.

LM Start	<b>9.15</b>	Rating **	M	Issue No.	<b>95 (cont)</b>
LM End	<b>9.15</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55177\_24000.jpg



Levee Crown- road surface cracks along the pipe. Needs more investigation.

LM Start	9.43	Rating **	A/W	Issue No.	43
LM End	9.43	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.825234 °	38.825234 °
				-121.639279 °	-121.639279 °
DWR ID	247-2				
Comment Code					
Inspector Comment					
This was a 2017 Storm Damage Site.					
Site ID No:163					
Site Designation:247-2					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_43\_20200407\_00074.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	9.44	Rating **	M	Issue No.	96	
LM End	9.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.825107 °	38.825107 °	
				-121.639369 °	-121.639369 °	
DWR ID	22592					
Comment Code						
Inspector Comment						
DS_ID:22592 FS_ID:55178 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Record remains Non-Urgent, pipe has been abandoned through the levee. Pipe was only visible on LS. No signs of pipe or appurtenances were visible from the river. Recommend geophysical study to determine if pipe is still present through the levee. Owner will need to coordinate with the CVFPB to remove or abandon pipe according to Title 23 requirements. (O. Magana - DWR UCIP)05/16/2013 - seems abandoned pipe crossing.- needs properly abandoned.- a 48" steel tank not found on landside. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Pump on the riverbank. Pipe discharges into a 48-inch steel tank at the landside (LS) toe. (Johnston). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (RM 3.1)]. FS Date: 8/21/2019 1:09:00 PM						

LM Start	<b>9.44</b>	Rating **	M	Issue No.	<b>96 (cont)</b>
LM End	<b>9.44</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_55178\_23966.jpg



WS- damaged pipe with holes, cracks on levee slope. River bank is not visible due to dense vegetation (top)

Photo 2 of 3 : UCIP\_SP\_2020\_55178\_23965.jpg



WS- abandoned damaged pipe with holes, cracks on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	9.44	Rating **	M	Issue No.	96 (cont)
LM End	9.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.825107 °	38.825107 °
				-121.639369 °	-121.639369 °
DWR ID	22592				

Photo 3 of 3 : UCIP\_SP\_2020\_55178\_23964.jpg



LS- overview of landside, steel pipe on levee slope.

LM Start	9.52	Rating **	M	Issue No.	80
LM End	9.52	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.823911 °	38.823911 °
				-121.639869 °	-121.639869 °
DWR ID	DWR_RD1001_04_s_2016_80				
Comment Code					
PO : Pole					
Inspector Comment					
Power pole on waterside levee crown.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_80\_20200227\_00027.jpg



View of unpermitted power pole on waterside crown.

LM Start	9.61	Rating **	M	Issue No.	37
LM End	9.61	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.822725 °	38.822725 °
				-121.640018 °	-121.640018 °
DWR ID	DWR_RD1001_04_f_2015_37				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping in front of a house on the waterside need to be removed, Fall 2019.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_37\_20200227\_00021.jpg



View looking downstream waterside of landscaping vegetation encroaching onto the levee crown.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>9.92</b>	Rating **	M	Issue No.	<b>97</b>
LM End	<b>9.92</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.818341 °	38.818341 °
				-121.638890 °	-121.638890 °
DWR ID	22578				

Comment Code

Inspector Comment

DS\_ID:22578  
FS\_ID:55179  
EP\_NO: 3297  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 08/21/2019 Record remains Non-Urgent, pipe appears abandoned. Siphon breaker has been damage without repair since 2013. If crossing is abandoned the owner will need to coordinate with the CVFPB to properly remove/abandon pipe per Title 23. (O. Magana - DWR UCIP)05/16/2013 - needs properly abandoned.- dismantled standpipe found on LS levee slope (P. Amatya - DWR UCIP)  
FIELD\_STRUCT\_DESC: 12-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Slant pump mounted on a steel structure on the riverbank. Siphon breaker on the landside (LS) shoulder. Pipe discharges into a 24-inch concrete standpipe at the LS toe. (12-inch pipe and pump authorized under Permit No. 3297, 1960 - Albert Linggi). [Additional Reference(s): DWR Levee Log, 1993].  
FS Date: 8/21/2019 1:09:00 PM

LM Start	<b>9.92</b>	Rating **	M	Issue No.	<b>97 (cont)</b>
LM End	<b>9.92</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_55179\_24134.jpg



WS- exposed pipe on levee slope and pump station in river bank.

Photo 2 of 3 : UCIP\_SP\_2020\_55179\_24133.jpg



WS- exposed pipe on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 1001 Nicolaus

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>10.14</b>	Rating **	M	Issue No.	<b>98 (cont)</b>
LM End	<b>10.14</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.815530 °	38.815530 °	
			-121.636918 °	-121.636918 °	
DWR ID	22572				

Photo 2 of 3 : UCIP\_SP\_2020\_55180\_23976.jpg



WS- main steel pipe on levee surface (without paint).

LM Start	<b>10.14</b>	Rating **	M	Issue No.	<b>98 (cont)</b>
LM End	<b>10.14</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55180\_81186.jpg



WS view: limited visibility to evaluate pipe crossing through levee section.

LM Start	10.60	Rating **	M	Issue No.	30
LM End	10.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.809257 °	38.809257 °
				-121.633909 °	-121.633909 °
DWR ID	DWR_RD1001_04_s_2013_30				
Comment Code					
RW : Retaining Wall					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_30\_20200227\_00014.jpg



A retaining wall is within the profile of the slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	10.60	Rating **	M	Issue No.	29
LM End	10.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.809256 °	38.809256 °
				-121.633908 °	-121.633908 °
DWR ID	DWR_RD1001_04_s_2013_29				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_29\_20200227\_00013.jpg



The building is within the easement of the levee.

LM Start	10.81	Rating **	M	Issue No.	99	
LM End	10.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.806363 °	38.806363 °	
				-121.633430 °	-121.633430 °	
DWR ID	22579					
Comment Code						
Inspector Comment						
DS_ID:22579 FS_ID:55181 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Record has been updated from No Action Needed to Non-Urgent, pipe has been abandoned through the levee. Pipe is abandoned with only pipe section found on LS. No signs of pipe were visible from the river. (O. Magana - DWR UCIP)05/16/2013 - Only a portion of the pipe found on landside. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 8-inch pipe of an unknown material or purpose through the levee, 7.7 feet below the crown. Capped on the waterside (WS) end in 1955. (Rutz). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 8/21/2019 1:10:00 PM						

Photo 1 of 3 : UCIP\_SP\_2020\_55181\_23974.jpg



WS- no pipe or structure found.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>10.81</b>	Rating **	M	Issue No.	<b>99 (cont)</b>
LM End	<b>10.81</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.806363 °	38.806363 °	
			-121.633430 °	-121.633430 °	
DWR ID	22579				

Photo 2 of 3 : UCIP\_SP\_2020\_55181\_23973.jpg



LS- overview of landside of the levee.

LM Start	<b>10.81</b>	Rating **	M	Issue No.	<b>99 (cont)</b>
LM End	<b>10.81</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55181\_23975.jpg



LS- portion of steel pipe exposed in levee slope.

LM Start	11.05	Rating **	A/W	Issue No.	22
LM End	11.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802875 °	38.802000 °
				-121.632862 °	-121.632763 °
DWR ID	DWR_RD1001_04_s_2012_22				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush has been trimmed for access and visibility.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	11.12	Rating **	A/W	Issue No.	61
LM End	11.24	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.801876 °	38.800202 °
				-121.632684 °	-121.632222 °
DWR ID	DWR_RD1001_04_s _ 2020_61				
Comment Code					
Inspector Comment					
This was a 2017 Storm Damage Site. Temporarily repaired by DWR during 2017 flood fight. Permanent repairs are required through entire reach. Estimated cost for all sites repaired, \$14.6 million					
Site ID No:491					
Site Designation:LMA-329					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_61\_20200407\_00080.jpg



View looking upstream landside of the seepage berm emergency repair done in 2017.

LM Start	11.16	Rating **	M	Issue No.	100	
LM End	11.16	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.801288 °	38.801288 °	
				-121.632565 °	-121.632565 °	
DWR ID	22590					
Comment Code						
Inspector Comment						
DS_ID:22590 FS_ID:54620 EP_NO: 17819 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/21/2019 Record has been updated to Non-Urgent, no maintenance records were made available to determine whether pipe is active or inactive. Unable to find markers indicating location of line. Need to contact owner to determine status of crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 4-inch steel natural gas pipeline bored under the Feather River and its levees, at an unknown depth. (4-inch steel natural gas pipeline authorized under Permit No. 17819, 2004 - Towne Exploration Company). FS Date: 8/21/2019 1:10:00 PM						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	11.18	Rating **	A/W	Issue No.	10
LM End	11.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.800920 °	38.798165 °
				-121.633050 °	-121.631939 °
DWR ID	DWR_RD1001_04_f_2018_10				
Comment Code					
Inspector Comment					
2017 Site ID: FHR 1.0 L					
Status: Eroding					
2017 Field Notes: Significant new erosion along lower bank.					
Site History: 2000 - Site is relatively stable except for some toe erosion at the upstream end, recommend monitoring the upstream end. 2004 - Some new block failures (10ft deep) at the toe of the upstream end. 2007 - Some minor new slumping at the waterline. 2013 - Minor new erosion along the bank toe.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_10\_20200227\_00002.jpg



USACE 2013 Photo #1

LM Start	11.24	Rating **	A/W	Issue No.	23
LM End	11.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800174 °	38.800174 °
				-121.632227 °	-121.632227 °
DWR ID	DWR_RD1001_04_s_2012_23				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush has been trimmed for access and visibility.					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	11.28	Rating **	M	Issue No.	101
LM End	11.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.799561 °	38.799561 °
				-121.631964 °	-121.631964 °
DWR ID	22580				

**Comment Code**

**Inspector Comment**

DS\_ID:22580  
FS\_ID:55966  
EP\_NO: 3489-1  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 08/21/2019 Record remains Non-Urgent, maintenance work for this crossing is still pending. New pipe section was added to WS from intake to where pipe daylights. Work is almost complete. Updated photos of the construction work have been forwarded to DWR Levee Inspector for Permit records. (O. Magana - DWR UCIP)05/16/2013 - siphon breaker on the landward shoulder not found.- cracked road surface along the pipe alignment. Needs more investigations. (P. Amatya - DWR UCIP)  
FIELD\_STRUCT\_DESC: 16-inch irrigation discharge pipe of an unknown material through the levee, 3 feet below the crown. 40-horsepower slant pump mounted on a steel structure on the riverbank. Pipe discharges into a 36-inch concrete standpipe at the landside (LS) toe. (16-inch pipe and 40-horsepower pump authorized under Permit No. 3489, 1960 - Kirtland Brothers; name change authorized under Permit No. 3489-1, 2018 - Global AG Properties USA LLC c/o WGIM, Inc.) [Additional Reference(s): DWR Levee Log, 1993].  
FS Date: 8/21/2019 1:10:00 PM

LM Start	11.28	Rating **	M	Issue No.	101 (cont)
LM End	11.28	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_55966\_23970.jpg



WS- slant pump on river bank.

Photo 2 of 3 : UCIP\_SP\_2020\_55966\_23969.jpg



Levee Crown- surface crack along pipe crossing. Needs more investigation.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	11.28	Rating **	M	Issue No.	101 (cont)
LM End	11.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.799561 °	38.799561 °
				-121.631964 °	-121.631964 °
DWR ID	22580				

Photo 3 of 3 : UCIP\_SP\_2020\_55966\_23968.jpg



WS- slant pump, pipe on steel piles.

LM Start	11.56	Rating **	A/W	Issue No.	60
LM End	11.84	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.796044 °	38.792621 °
				-121.629686 °	-121.626702 °
DWR ID	DWR RD1001 04 s 2020 60				

**Comment Code**

**Inspector Comment**

This site was temporarily repaired by DWR during 2017 flood fight. Permanent repairs are required through entire reach. Estimated cost for all sites repaired, \$14.6 million.

Site ID No:491

Site Designation:LMA-329

Photo 1 of 1 : SP\_2020\_RD1001\_38\_60\_20200407\_00079.jpg



View looking upstream landside of the seepage berm emergency repair done in 2017.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	11.59	Rating **	A/W	Issue No.	9
LM End	11.75	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.795455 °	38.793394 °
				-121.629903 °	-121.628156 °
DWR ID	DWR_RD1001_04_f_2018_9				
Comment Code					
Inspector Comment					
2017 Site ID: FHR 0.6 L					
Status: Eroding					
2017 Field Notes: Further toe erosion, with sections of sand deposition.					
Site History: 1997- Deposits over top of cobble on the upper slope.					
2000 - Old cobble site in poor shape; some toe retreat, but little change; steep bank. 2010 - Site extended upstream due to new toe erosion.					
2012 - Minor new erosion at toe, new slumping, animals holes and cracks observed.					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_9\_20200227\_00001.jpg



USACE 2013 Photo #1

LM Start	12.29	Rating **	A/W	Issue No.	49
LM End	12.43	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.787635 °	38.786506 °
				-121.621478 °	-121.619361 °
DWR ID	LMA-329				
Comment Code					
Inspector Comment					
This site was temporarily repaired by DWR during 2017 flood fight. Permanent repairs are required through entire reach. Estimated cost for all sites repaired, \$14.6 million. Site ID No:491 Site Designation:LMA-329					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_49\_20200407\_00076.jpg



View looking upstream landside of the seepage berm emergency repair done in 2017.

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	12.54	Rating **	M	Issue No.	102	
LM End	12.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.785372 °	38.785372 °	
				-121.617772 °	-121.617772 °	
DWR ID	22639					
Comment Code						
Inspector Comment						
DS_ID:22639 FS_ID:55185 EP_NO: 13081 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/21/2019 Record has been updated to Non-Urgent, unable to confirm any signs of conduit or water line. Recommend contacting owner to determine status of lines through this section of the levee. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: Electrical conduit and water line of an unknown size or material through the levee, at an unknown depth. Ramps paved with concrete on both slopes. Recreational vehicle park on the bank. (Recreational vehicle park authorized under Permit No. 13081, 1981 - Ed Loftis). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 8/21/2019 1:10:00 PM						

No Photos

LM Start	12.61	Rating **	A/W	Issue No.	63
LM End	12.80	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			38.784976 °	38.783967 °
				-121.616723 °	-121.613386 °
DWR ID	DWR_RD1001_04_s_2020_63				
Comment Code					
Inspector Comment					
This site was temporarily repaired by DWR during 2017 flood fight. Permanent repairs are required through entire reach. Estimated cost for all sites repaired, \$14.6 million. Site ID No:491 Site Designation:LMA-329					

Photo 1 of 1 : SP\_2020\_RD1001\_38\_63\_20200407\_00075.jpg



View looking upstream landside of the seepage berm emergency repair done in 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	12.65	Rating **	A/W	Issue No.	26
LM End	13.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.784513 °	38.781862 °
				-121.616045 °	-121.607855 °
DWR ID	DWR_RD1001_04_s_2012_26				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush has been trimmed for access and visibility.					

No Photos

LM Start	12.67	Rating **	A/W	Issue No.	11
LM End	13.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.784579 °	38.782150 °
				-121.615689 °	-121.607918 °
DWR ID	DWR_RD1001_04_f _ 2013_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush has been trimmed for access and visibility.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

LM Start	<b>13.22</b>	Rating **	M	Issue No.	<b>103</b>
LM End	<b>13.22</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.781438 °	38.781438 °	
			-121.606338 °	-121.606338 °	
DWR ID	22585				
Comment Code					
Inspector Comment					
DS_ID:22585 FS_ID:54623 EP_NO: 2388 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/21/2019 Record has been updated to Non-Urgent, unable to determine the status of the pipe through the levee. Unable to find any appurtenances associated with this pipe only found indicators on paved road where previous cut was made. No signs of pipe were found from river survey. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, at an unknown depth. Pump on the riverbank. Shutoff valve and siphon breaker on the waterside (WS). (10-inch steel irrigation discharge pipe and pump authorized under Permit No. 2388, 1956 - Perry H. Stinnett). FS Date: 8/21/2019 1:10:00 PM					

No Photos

LM Start	<b>13.27</b>	Rating **	M	Issue No.	<b>104</b>
LM End	<b>13.27</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.781179 °	38.781179 °	
			-121.605479 °	-121.605479 °	
DWR ID	22638				
Comment Code					
Inspector Comment					
DS_ID:22638 FS_ID:54624 EP_NO: 5692 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/21/2019 Record has been updated to Non-Urgent, unable to determine the status of the telephone conduit through the levee. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: Telephone conduit of an unknown size or material through the levee, 3 feet below the crown. The buried conduit also runs along the landside (LS) toe for an unspecified distance. (Telephone conduit authorized under Permit No. 5692, 1967 - Pacific Telephone and Telegraph Company [PT&T]). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 8/21/2019 1:11:00 PM					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/27/2020 03/27/2020	Sterling York

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2020 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

Waterway			Bank	Unit Miles
Unit No. 05 Natomas Cross Canal			Right	5.39
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/27/2020 - 3/27/2020			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/27/2020 03/27/2020	Sterling York

LM Start	0.00	Rating **	A	Issue No.	11
LM End	5.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.781246 °	38.831097 °
				-121.605437 °	-121.529738 °
DWR ID	DWR_RD1001_05_s_2020_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_39\_11\_20200406\_00021.jpg



View looking downstream landside at the well maintained annual vegetation, Spring 2020.

LM Start	0.00	Rating **	A	Issue No.	12
LM End	5.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.781246 °	38.831097 °
				-121.605436 °	-121.529738 °
DWR ID	DWR_RD1001_05_s_2020_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_39\_12\_20200406\_00023.jpg



View looking downstream waterside at the well maintained annual vegetation, Spring 2020.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/27/2020 03/27/2020	Sterling York

LM Start	0.05	Rating **	M	Issue No.	13
LM End	0.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.781881 °	38.781881 °
				-121.605215 °	-121.605215 °
DWR ID	DWR_RD1001_05_f_2016_13				
Comment Code					
BU : Building					
Inspector Comment					
House and carport are at landside levee toe.					

Photo 1 of 1 : SP\_2020\_RD1001\_39\_13\_20200227\_00006.jpg



View of a house and carport that are at the levee toe.

LM Start	0.06	Rating **	M	Issue No.	16
LM End	0.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.781999 °	38.781999 °
				-121.605182 °	-121.605182 °
DWR ID	DWR_RD1001_05_f _ 2015_16				
Comment Code					
RW : Retaining Wall					
Inspector Comment					
Retaining wall is into the landside levee toe, it is part of the carport.					

No Photos

LM Start	0.09	Rating **	M	Issue No.	15
LM End	0.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.782447 °	38.782717 °
				-121.605008 °	-121.604870 °
DWR ID	DWR_RD1001_05_s_2019_15				
Comment Code					
FE : Fence					
Inspector Comment					
Temporary fence needs to be removed, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_39\_15\_20200406\_00024.jpg



View looking downstream landside at a temporary goat fence, Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/27/2020 03/27/2020	Sterling York

LM Start	<b>0.79</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>0.79</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.790556 °	38.790556 °	
			-121.597477 °	-121.597477 °	
DWR ID	22610				

Comment Code

Inspector Comment

DS\_ID:22610  
FS\_ID:14393  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 08/22/2019 Record has been updated with USACE O&M reference. (O. Magana - DWR UCIP)  
05/15/2013 - needs repair of concrete piers on waterside. Rebar exposed from the pier. Even though this pier is functionally not linked to the pipe, it needs repair. (P. Amatya - DWR UCIP)  
FIELD\_STRUCT\_DESC: [RD 1001 Drainage Pumping Plant] 5 of 8: 24-inch reinforced concrete drainage discharge pipe through the levee, 25 feet below the crown. Five 60-inch by 84-inch reinforced concrete drainage tunnels through the levee, 25 feet below the crown. One tunnel has a 60-inch pump installed inside and is gated on the waterside (WS) end. Two 50-inch steel drainage discharge pipes through the levee, 25 feet below the crown. All tunnels and pipes are gated. Concrete headwall and railing along the landside (LS). (Reclamation District No. 1001). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, five 4-foot by 5-foot culverts, two 50-inch pipe, and one 20-inch pipe (HLM 0.80)].  
FS Date: 5/15/2013

LM Start	<b>0.79</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_14393\_23697.jpg



Location of pipes and tunnels. 24-inch steel pipe located at 5th from the left.

Photo 2 of 3 : UCIP\_SP\_2020\_14393\_23696.jpg



LS- Drainage structure with tunnels, pipes and pump house. Tunnel 1 at far right and tunnel 5 at far left. The pipe is located inside tunnel 3.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/27/2020 03/27/2020	Sterling York

LM Start	<b>0.79</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.790556 °	38.790556 °	
			-121.597477 °	-121.597477 °	
DWR ID	22610				

Photo 3 of 3 : UCIP\_SP\_2020\_14393\_23799.jpg



WS- three steel pipes inside tunnel. Fifty inch pipes on left and right. Twenty four inch pipe in middle of the structure as shown.

LM Start	1.78	Rating **	M	Issue No.	5
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.799037 °	38.799733 °
				-121.582706 °	-121.581585 °
DWR ID	DWR_RD1001_05_f_2018_5				
Comment Code					
Inspector Comment					
2017 Site ID: NCC 1.9 L					
Status: Eroding New					
2017 Field Notes: Erosion along mid bank and sections of slumped bank.					
Site History:					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/27/2020 03/27/2020	Sterling York

LM Start	2.24	Rating **	M	Issue No.	6
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.803327 °	38.804206 °
				-121.575993 °	-121.574529 °
DWR ID	DWR_RD1001_05_f _ 2018_6				
Comment Code					
Inspector Comment					
2017 Site ID: NCC 2.4 R					
Status: Eroding					
2017 Field Notes: Site renamed, previously mislabeled as NCC 3.0.					
Erosion along mid bank slope.					
Site History: 2006 - Noted old saturation slumping of upper levee slope that is into the levee core (near high water line). 2011 - Erosion is into the top of the levee. This site is actually located at LM 2.4. 2016 - Site extended downstream. Slumping of entire meiddle levee section.					

No Photos

LM Start	2.68	Rating **	M	Issue No.	9
LM End	3.13	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.807180 °	38.811122 °
				-121.569523 °	-121.562873 °
DWR ID	DWR_RD1001_05_f _ 2018_9				
Comment Code					
Inspector Comment					
2017 Site ID: NCC 2.9 R					
Status: Eroding New					
2017 Field Notes: Hummocky levee face, slumping upper bank.					
Site History: 2016 - Slumping of upper bank slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/27/2020 03/27/2020	Sterling York

LM Start	3.56	Rating **	M	Issue No.	7
LM End	3.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.814919 °	38.817178 °
				-121.556712 °	-121.552965 °
DWR ID	DWR_RD1001_05_s_2012_7				
Comment Code					
PO : Pole					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_39\_7\_20200227\_00001.jpg



View of poles on the landside shoulder looking downstream.

LM Start	3.81	Rating **	M	Issue No.	10
LM End	3.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.817178 °	38.817178 °
				-121.552965 °	-121.552965 °
DWR ID	DWR_RD1001_05_s_2012_10				
Comment Code					
TA : Tank					
Inspector Comment					
Fuel tank at landside levee toe.					

Photo 1 of 1 : SP\_2020\_RD1001\_39\_10\_20200406\_00025.jpg



View of tank on the landside shoulder looking downstream, Spring 2020.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/27/2020 03/27/2020	Sterling York

LM Start	3.81	Rating **	M	Issue No.	18	
LM End	3.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.817175 °	38.817175 °	
				-121.552946 °	-121.552946 °	
DWR ID	22604					
Comment Code						
Inspector Comment						
DS_ID:22604 FS_ID:14486 EP_NO: 1896 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/15/2013 - slide gate in concrete box on waterside levee toe.- cracked headwall on landside- working during field survey- abandoned steel pipe, may need to remove it or properly abandoned. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 20-inch asbestos bonded corrugated metal irrigation discharge pipe through the levee, 2.13 feet below the crown. Three vertical pumps on a wooden piling structure in the stream. Walkway to the pumps. Slide gate in a concrete box on the waterside (WS). (Permit No. 1896, [permit missing]). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 5/15/2013						

LM Start	<b>3.81</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>3.81</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_14486\_23913.jpg



WS- pump station, walkway, and slide gate in concrete box.

Photo 2 of 3 : UCIP\_SP\_2020\_14486\_23912.jpg



WS- abandoned pipe adjacent to pump station on stream bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/27/2020 03/27/2020	Sterling York

LM Start	<b>3.81</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>3.81</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.817175 °	38.817175 °	
			-121.552946 °	-121.552946 °	
DWR ID	22604				

Photo 3 of 3 : UCIP\_SP\_2020\_14486\_23911.jpg



WS- slide gate in concrete box on levee toe.

LM Start	<b>3.81</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>3.81</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.817175 °	38.817175 °	
			-121.552946 °	-121.552946 °	
DWR ID	22595				

**Comment Code**

**Inspector Comment**

DS\_ID:22595  
 FS\_ID:14484  
 EP\_NO: 1896  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 05/15/2013 - slide gate in concrete box on waterside levee toe.- cracked headwall on landside- working during field survey (P. Amatya - DWR UCIP)  
 FIELD\_STRUCT\_DESC: \*ABANDONED\* 2 of 3: 20-inch asbestos bonded corrugated metal irrigation discharge pipe through the levee, 2.13 feet below the crown. Three vertical pumps on a wooden piling structure in the stream. Walkway to the pumps. Slide gate in a concrete box on the waterside (WS). (Permit No. 1896, [permit missing]).  
 [Additional Reference(s): DWR Levee Log, 1993].  
 FS Date: 5/15/2013

Photo 1 of 3 : UCIP\_SP\_2020\_14484\_23894.jpg



WS- overview of pump station, walkway, and slide gate in concrete box.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/27/2020 03/27/2020	Sterling York

LM Start	3.81	Rating **	M	Issue No.	19 (cont)
LM End	3.81	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.817175 °	38.817175 °
				-121.552946 °	-121.552946 °
DWR ID	22595				

Photo 2 of 3 : UCIP\_SP\_2020\_14484\_23898.jpg



WS- slide gate in concrete box on levee toe.

LM Start	<b>3.81</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>3.81</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_14484\_23897.jpg



LS- overview of irrigation ditch on levee toe (top)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/27/2020 03/27/2020	Sterling York

LM Start	3.81	Rating **	M	Issue No.	20	
LM End	3.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.817175 °	38.817175 °	
				-121.552946 °	-121.552946 °	
DWR ID	22613					
Comment Code						
Inspector Comment						
DS_ID:22613 FS_ID:14472 EP_NO: 1896 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/15/2013 - slide gate in concrete box on waterside levee toe.- cracked headwall on landside- working during field survey (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 30-inch asbestos bonded corrugated metal irrigation discharge pipe through the levee, 2.13 feet below the crown. Three vertical pumps on a wooden piling structure in the stream. Walkway to the pumps. Slide gate in a concrete box on the waterside (WS). (Permit No. 1896, [permit missing]). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 5/15/2013						

LM Start	<b>3.81</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>3.81</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_14472\_23891.jpg



WS- pump station, walkway, and slide gate in concrete box on levee toe

Photo 2 of 3 : UCIP\_SP\_2020\_14472\_23890.jpg



WS- slide gate in concrete box on levee toe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/27/2020 03/27/2020	Sterling York

LM Start	<b>3.81</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>3.81</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.817175 °	38.817175 °	
			-121.552946 °	-121.552946 °	
DWR ID	22613				

Photo 3 of 3 : UCIP\_SP\_2020\_14472\_23889.jpg



LS- pipes discharge water in irrigation ditch on landside (top)

LM Start	5.05	Rating **	M	Issue No.	8
LM End	5.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.828100 °	38.828188 °
				-121.534740 °	-121.534625 °
DWR ID	RD 1001-03				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This was a 2017 Storm Damage Site.					
Site ID No:493					
Site Designation:RD 1001-03					

Photo 1 of 3 : LEVAL\_SP\_2020\_493\_1759.jpg



LM Start	<b>5.05</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>5.06</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : LEVAL\_SP\_2020\_493\_1762.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Reclamation District No. 1001 Nicolaus

View looking waterside at an old bridge abutment in levee slope and bents across the channel, Spring 2020.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable        C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2020 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

Waterway			Bank	Unit Miles
Unit No. 06 East Side Canal			Right	4.74
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/26/2020 - 3/26/2020			
DWR Inspector	Sterling York			
Accompanied By	Joe Henderson RD1001			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	0.01	Rating **	A	Issue No.	25
LM End	4.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.831197 °	38.896350 °
				-121.529559 °	-121.520369 °
DWR ID	DWR_RD1001_06_s _ 2020_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_40\_25\_20200406\_00054.jpg



View looking downstream waterside at the well maintained annual vegetation, Spring 2020.

LM Start	0.01	Rating **	A	Issue No.	23
LM End	4.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.831197 °	38.896350 °
				-121.529558 °	-121.520369 °
DWR ID	DWR_RD1001_06_s _ 2020_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_40\_23\_20200406\_00053.jpg



View looking downstream landside at the well maintained annual vegetation, Spring 2020.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	0.04	Rating **	M	Issue No.	47
LM End	0.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.831461 °	38.831461 °
				-121.529260 °	-121.529260 °
DWR ID	22636				
Comment Code					
Inspector Comment					
DS_ID:22636 FS_ID:55186 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Record has been updated from No Action Needed to Non-Urgent due to limited inspection on the LS and missing permit authorizing crossing. Record updated with USACE O&M reference. Dense vegetation prevented a thorough inspection of the levee slopes. Pipe is selected for DMP internal video inspection. A good evaluation of pipe condition will be available once the DMP internal video inspection is completed. (O. Magana - DWR UCIP)05/15/2013 - steep levee slope- dense vegetation (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 17.6 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 - Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, 36-inch pipe (HLM 0.03)]. FS Date: 8/21/2019 12:52:00 PM					

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>0.04</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_55186\_23508.jpg



WS- slide gate, air vent in CMP riser.

Photo 2 of 3 : UCIP\_SP\_2020\_55186\_23507.jpg



LS- pipe discharges into irrigation ditch

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	0.04	Rating **	M	Issue No.	47 (cont)
LM End	0.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.831461 °	38.831461 °
				-121.529260 °	-121.529260 °
DWR ID	22636				

Photo 3 of 3 : UCIP\_SP\_2020\_55186\_23506.jpg



LS-concrete wing/head wall on levee toe.

LM Start	0.47	Rating **	U	Issue No.	16
LM End	0.47	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.837366 °	38.837366 °
				-121.526579 °	-121.526579 °
DWR ID	DWR_RD1001_06_f _ 2018_16				
Comment Code					
FE : Fence					
Inspector Comment					
The solid fence needs to be removed from the crown, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_40\_16\_20200406\_00055.jpg



View looking at waterside crown at an unpermitted solid fence, Spring 2020.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	0.56	Rating **	M	Issue No.	48	
LM End	0.56	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.838614 °	38.838614 °	
				-121.526039 °	-121.526039 °	
DWR ID	22635					
Comment Code						
Inspector Comment						
DS_ID:22635 FS_ID:55187 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued authorizing crossing. Record updated with USACE O&M reference. A good evaluation of pipe condition will be available once the DMP internal video inspection is completed. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.3 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 - Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, 36-inch pipe (HLM 0.56)]. FS Date: 8/21/2019 12:52:00 PM						

LM Start	<b>0.56</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>0.56</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_55187\_23510.jpg



WS- slide gate in CMP riser on levee slope

Photo 2 of 3 : UCIP\_SP\_2020\_55187\_23509.jpg



LS- concrete distribution box with headwall on levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 1001 Nicolaus

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	1.45	Rating **	M	Issue No.	3
LM End	1.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.851234 °	38.852445 °
				-121.524421 °	-121.524809 °
DWR ID	DWR_RD1001_06_s_2012_3				
Comment Code					
EQ : Equipment					
Inspector Comment					
Remove equipment from levee toe, Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_40\_3\_20200227\_00001.jpg



View looking downstream of the equipment at the landside levee toe.

LM Start	1.72	Rating **	U	Issue No.	49	
LM End	1.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.855186 °	38.855186 °	
				-121.524895 °	-121.524895 °	
DWR ID	22617					
Comment Code						
Inspector Comment						
DS_ID:22617 FS_ID:55199 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Pipe has been upgraded to Urgent: Pipe Integrity due to deteriorated pipe section at inlet. DMP internal video inspection still hasn't been completed to determine extent of damage through levee. Record updated with USACE O&M reference. (O. Magana - DWR UCIP)05/15/2013 - visible damage to pipe on opening at inlet due to high corrosion.- video inspection recommended. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 - Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, 30-inch pipe (HLM 1.72)]. FS Date: 8/21/2019 12:53:00 PM						

Photo 1 of 3 : UCIP\_SP\_2020\_55199\_23467.jpg



WS- slide gate in CMP riser on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	1.72	Rating **	U	Issue No.	49 (cont)	
LM End	1.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.855186 °	38.855186 °	
				-121.524895 °	-121.524895 °	
DWR ID	22617					

Photo 2 of 3 : UCIP\_SP\_2020\_55199\_23466.jpg



WS- slide gate, air vent pipe in CMP riser on levee slope.

LM Start	<b>1.72</b>	Rating **	U	Issue No.	<b>49 (cont)</b>
LM End	<b>1.72</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55199\_23465.jpg



WS- pipe opening visible inside CMP riser.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	2.03	Rating **	M	Issue No.	50
LM End	2.03	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.859601 °	38.859601 °
				-121.524885 °	-121.524885 °
DWR ID	22616				

**Comment Code**

**Inspector Comment**

DS\_ID:22616  
FS\_ID:55196  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 08/21/2019 Record remains Non-Urgent due to missing permit authorizing crossing and limited inspection on the LS. Dense vegetation prevented a thorough inspection of levee section at pipe location. Record updated with USACE O&M reference. (O. Magana - DWR UCIP)05/15/2013 - pipe buried/submerged on LS- needs cleaning of LS pipe end opening. (P. Amatya - DWR UCIP) FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.5 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 - Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, 24-inch pipe (HLM 2.03)].  
FS Date: 8/21/2019 12:54:00 PM

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_55196\_23445.jpg



WS- slide gate in CMP riser on levee slope.

Photo 2 of 3 : UCIP\_SP\_2020\_55196\_23444.jpg



LS- concrete wing wall on levee toe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.859601 °	38.859601 °	
			-121.524885 °	-121.524885 °	
DWR ID	22616				

Photo 3 of 3 : UCIP\_SP\_2020\_55196\_23443.jpg



LS- pipe submerged/buried in concrete wing wall on levee toe

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.859791 °	38.859791 °	
			-121.524877 °	-121.524877 °	
DWR ID	22615				

**Comment Code**

**Inspector Comment**

DS\_ID:22615  
 FS\_ID:55197  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 08/21/2019 Record has been updated from No Action Needed to Non-Urgent, dense vegetation along the LS slope prevented a thorough inspection. Record updated with USACE O&M reference. (O. Magana - DWR UCIP)05/15/2013 - a concrete vault found off the pipe alignment on LS.- a CMP found across the road on LS.- a slide gate in CMP riser on levee slope on WS. (P. Amaty - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.5 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 - Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, 24-inch pipe (HLM 2.05)].  
 FS Date: 8/21/2019 12:54:00 PM

Photo 1 of 3 : UCIP\_SP\_2020\_55197\_23434.jpg



WS- slide gate in CMP riser on levee slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.859791 °	38.859791 °	
			-121.524877 °	-121.524877 °	
DWR ID	22615				

Photo 2 of 3 : UCIP\_SP\_2020\_55197\_23433.jpg



LS- a concrete vault found on levee toe.

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55197\_81232.jpg



WS view: overview of WS. CMP riser with cover located on WS slope.

LM Start	2.05	Rating **	M	Issue No.	8
LM End	2.05	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.860002 °	38.860002 °
				-121.524873 °	-121.524873 °
DWR ID	DWR_RD1001_06_s_2012_8				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
There are depressions on the crown where there is cross traffic. Fix low area. Spring 2020.					

Photo 1 of 1 : SP\_2020\_RD1001\_40\_8\_20200406\_00056.jpg



View looking upstream of crown where there is cross traffic creating a low area in crown roadway, Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	2.29	Rating **	M	Issue No.	52
LM End	2.29	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.863368 °	38.863368 °
				-121.524852 °	-121.524852 °
DWR ID	22626				
Comment Code					
Inspector Comment					
DS_ID:22626 FS_ID:55198 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Record has been updated from No Action Needed to Non-Urgent, due to a missing permit authorizing pipe and limited inspection due to dense vegetation on the LS. Dense vegetation prevented a thorough inspection on the LS slope and toe. Record updated with USACE O&M reference. (O. Magana - DWR UCIP)05/15/2013 - pipe submerged into water on landside. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 - Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, 36-inch pipe (HLM 2.31)]. FS Date: 8/21/2019 12:55:00 PM					

LM Start	<b>2.29</b>	Rating **	M	Issue No.	<b>52 (cont)</b>
LM End	<b>2.29</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_55198\_23431.jpg



WS- slide gate on CMP on levee slope

Photo 2 of 3 : UCIP\_SP\_2020\_55198\_23430.jpg



LS- headwall and submerged pipe. Pipe not visible due to water.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	<b>2.29</b>	Rating **	M	Issue No.	<b>52 (cont)</b>
LM End	<b>2.29</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.863368 °	38.863368 °
				-121.524852 °	-121.524852 °
DWR ID	22626				

Photo 3 of 3 : UCIP\_SP\_2020\_55198\_23432.jpg



LS- headwall and submerged pipe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	2.29	Rating **	M	Issue No.	53
LM End	2.29	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.863385 °	38.863385 °
				-121.524866 °	-121.524866 °
DWR ID	22622				
Comment Code					
Inspector Comment					
DS_ID:22622 FS_ID:55201 EP_NO: 12208 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Crossing has been downgraded from Urgent to Non-Urgent, potential leak is more than 10 feet from WS toe. Still need to contact owner to determine the extent of WS repair. (O. Magana - DWR UCIP)10/18/2018 Same as previous inspection. No documentation is available to determine if there is a pipe integrity issue. Recommend internal inspection of the pipe through the levee to determine the condition of the pipe. Need to contact owner to obtain details of WS repair. Levee is about 8-10 feet high. Crossing remains Urgent due to the unknown reason for WS hole observed in the 2013 inspection (pipe repair or pipe leakage). (O. Magana - DWR UCIP)07/13/2016 Depression on WS berm has been backfilled, but the cause of the erosion was not addressed to my knowledge. As such, pipe integrity problem may still exist. Vegetation growth surrounds pipe on WS berm, in strike contrast to dry grass away from pipe alignment. This could be due to channel draining toward the pipe, or an indication of pipe leakage. (K. Fazel - UCIP)05/15/2013:- large pit at pipe daylight on WS berm, may be due to pipe leakage.- siphon breaker on LS shoulder not found. (P. Amatya - DWR) FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. 16-inch low-lift pump in the channel with a 1-inch electrical line also penetrating the levee to the power pole off the landside (LS) toe. 36-inch corrugated metal pipe (CMP) riser on the bank. Vent on the LS shoulder. Siphon breaker/vent on the apex of the pipe near the waterside (WS) pump. Standpipe off the LS toe. Pipe used seasonally only in the absence of groundwater, as per District President Joe Henderson. (16-inch irrigation pipe and 16-inch low-lift pump authorized under Permit No. 12208, 1977 - Thomas A. Cuguet). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 8/21/2019 12:51:00 PM					

Photo 1 of 3 : UCIP\_SP\_2020\_55201\_23427.jpg



WS- pump and pipe on river bank

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	<b>2.29</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>2.29</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.863385 °	38.863385 °	
			-121.524866 °	-121.524866 °	
DWR ID	22622				

Photo 2 of 3 : UCIP\_SP\_2020\_55201\_23429.jpg



WS- large depression on levee berm

LM Start	<b>2.29</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>2.29</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55201\_23426.jpg



WS- large depression on levee berm at pipe daylight

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	2.53	Rating **	M	Issue No.	54	
LM End	2.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.866940 °		38.866940 °
				-121.524834 °		-121.524834 °
DWR ID	22627					
Comment Code						
Inspector Comment						
DS_ID:22627 FS_ID:55202 EP_NO: 3511 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/21/2019 Record has been updated to Non-Urgent, unable to determine the status of the pipe through the levee. No signs of pipe found. Need to contact owner to determine status of crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: Communications conduit of an unknown size or material through the levee, 3 feet below the crown. (Communications conduit authorized under Permit No. 3511, 1960 - United States Army Engineer District, Sacramento, Corps of Engineers). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 8/21/2019 12:55:00 PM						

No Photos

LM Start	2.56	Rating **	M	Issue No.	26
LM End	2.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.867278 °	38.867278 °
				-121.524843 °	-121.524843 °
DWR ID	DWR_RD1001_06_s_2020_26				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_RD1001\_40\_26\_20200406\_00057.jpg



View looking at the waterside slope where a couch has been dumped, Spring 2020.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	2.69	Rating **	M	Issue No.	55	
LM End	2.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.869265 °	38.869265 °	
				-121.524833 °	-121.524833 °	
DWR ID	22628					
Comment Code						
Inspector Comment						
DS_ID:22628 FS_ID:55203 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified for crossing and dense vegetation limited inspection. Dense vegetation prevented a thorough inspection of pipe. DWR DMP internal inspection has not been completed. Record will be updated once the internal inspection is available to determine condition of pipe through the levee. Record updated with USACE O&M reference. (O. Magana - DWR UCIP)05/15/2013 - Headwall at the landside toe not found.- concrete box on landside toe. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 - Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, 24-inch pipe (HLM 2.70)]. FS Date: 8/21/2019 12:55:00 PM						

LM Start	<b>2.69</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>2.69</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_55203\_23401.jpg



WS- slide gate on CMP riser on levee slope.

Photo 2 of 3 : UCIP\_SP\_2020\_55203\_23400.jpg



LS- a concrete box on landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	3.08	Rating **	M	Issue No.	56 (cont)
LM End	3.08	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.874821 °	38.874821 °
				-121.524806 °	-121.524806 °
DWR ID	22637				

Photo 2 of 3 : UCIP\_SP\_2020\_55205\_23393.jpg



LS- no pipe/structure found on landside.

LM Start	<b>3.08</b>	Rating **	M	Issue No.	<b>56 (cont)</b>
LM End	<b>3.08</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55205\_81251.jpg



Overview of levee crown looking u/s towards pipe crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

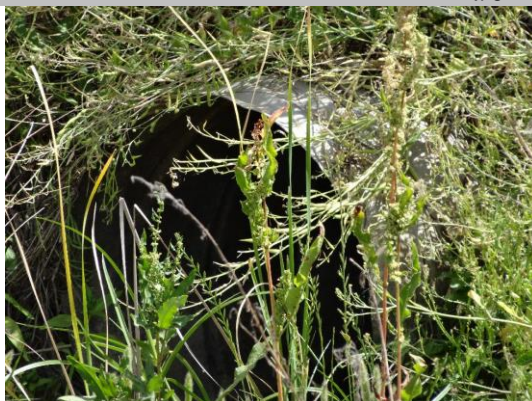
**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	3.28	Rating **	M	Issue No.	57
LM End	3.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.877706 °	38.877706 °
				-121.524787 °	-121.524787 °
DWR ID	22630				
Comment Code					
Inspector Comment					
DS_ID:22630 FS_ID:55206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Record remains Non-Urgent, no permit has been found and limited inspection prevented thorough inspection at crossing. Dense vegetation on LS slope and toe prevented a thorough inspection at pipe location. Record updated with USACE O&M reference. (O. Magana - DWR UCIP)05/15/2013 - pipe opens in irrigation ditch on landside.- vegetation cleaning on LS pipe opening. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 - Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, 24-inch pipe (HLM 3.28)]. FS Date: 8/21/2019 12:56:00 PM					

Photo 1 of 3 : UCIP\_SP\_2020\_55206\_23396.jpg



LS- vegetation on CMP end.

LM Start	<b>3.28</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>3.28</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2020\_55206\_23395.jpg



LS- CMP opens in irrigation ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 1001 Nicolaus

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	<b>3.43</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>3.43</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.879960 °	38.879960 °	
			-121.524780 °	-121.524780 °	
DWR ID	22619				

Photo 2 of 2 : UCIP\_SP\_2020\_54565\_22120.jpg



WS- gap between two pipes needs to be filled.

LM Start	<b>3.59</b>	Rating **	M	Issue No.	<b>59</b>
LM End	<b>3.59</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.882247 °	38.882247 °	
			-121.524762 °	-121.524762 °	
DWR ID	22631				

**Comment Code**

**Inspector Comment**

DS\_ID:22631  
 FS\_ID:55208  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 08/21/2019 Record remains Non-Urgent, due to limited inspection on the LS and missing permit. Dense vegetation on LS slope and toe prevented thorough inspection. Pipe description was updated with USACE O&M reference. (O. Magana - DWR UCIP)05/15/2013 Only a small section of head wall visible, almost buried. (P. Amatya - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 - Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, 24-inch pipe (HLM 3.59)].  
 FS Date: 8/21/2019 12:57:00 PM

Photo 1 of 3 : UCIP\_SP\_2020\_55208\_22086.jpg



WS- fixed slide gate in CMP riser on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	<b>3.59</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>3.59</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.882247 °	38.882247 °	
			-121.524762 °	-121.524762 °	
DWR ID	22631				

Photo 2 of 3 : UCIP\_SP\_2020\_55208\_22085.jpg



LS- almost buried concrete headwall. Only upper portion of the wall is visible.

LM Start	<b>3.59</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>3.59</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55208\_81262.jpg



Overview of levee crown looking u/s towards pipe crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	3.92	Rating **	U	Issue No.	60	
LM End	3.92	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.887003 °	38.887003 °	
				-121.524746 °	-121.524746 °	
DWR ID	22632					
Comment Code						
Inspector Comment						
DS_ID:22632 FS_ID:55209 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Record remains Urgent, pipe wall at the inlet has failed. DMP internal video inspection has not been completed to determine extent of damage through the levee. Dense vegetation on LS prevented a thorough inspection. Record updated with USACE O&M reference. (O. Magana - DWR UCIP)10/30/2018 Photos of the pipe failure, visible from the LS inlet, were uploaded. Crossing remains Urgent due to the deteriorated condition of the pipe. Recommend internal inspection through the levee. (O. Magana - DWR UCIP)10/18/2018 Unable to access the LS toe due to muddy conditions. Assume no repairs have been done to this crossing to date. This crossing is part of DWR's Deferred Maintenance Project (DMP). Based on the photos taken in 2013 and 2016 the pipe section through the wall has missing pipe sections due to heavy corrosion. Recommend repair to avoid further deterioration of pipe section through levee. Levee is about 8-10 feet high. Crossing remains Urgent based on the deteriorated condition of the pipe on the LS. (O. Magana - DWR UCIP)07/13/2016 Same condition as last. Pipe heavily corroded and partially filled with debris and straw. (K. Fazel - UCIP) 05/15/2013:- mud/soil debris on LS pipe end.- highly corroded pipe in outlet.- may require video inspection or pressure test. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.2 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 - Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, 24-inch pipe (HLM 3.93)]. FS Date: 8/21/2019 12:51:00 PM						

Photo 1 of 3 : UCIP\_SP\_2020\_55209\_22046.jpg



WS- slide gate, air vent in CMP riser on levee slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	<b>3.92</b>	Rating **	U	Issue No.	<b>60 (cont)</b>
LM End	<b>3.92</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.887003 °	38.887003 °	
			-121.524746 °	-121.524746 °	
DWR ID	22632				

Photo 2 of 3 : UCIP\_SP\_2020\_55209\_22045.jpg



LS- CMP in concrete head/wing wall outlet

LM Start	<b>3.92</b>	Rating **	U	Issue No.	<b>60 (cont)</b>
LM End	<b>3.92</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55209\_22044.jpg



LS- highly corroded and damaged CMP in concrete head/wing wall outlet

LM Start	4.04	Rating **	A/W	Issue No.	7
LM End	4.04	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.888803 °	38.888803 °
				-121.524738 °	-121.524738 °
DWR ID	DWR_RD1001_06_s_2012_7				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
There are depressions on the crown where there is cross traffic. Monitor this area and fix as needed.					

Photo 1 of 1 : SP\_2020\_RD1001\_40\_7\_20200227\_00002.jpg



View of crown where there is cross traffic looking upstream. Monitor this area and fix as needed.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	4.33	Rating **	A/W	Issue No.	19
LM End	4.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.892999 °	38.892999 °
				-121.524711 °	-121.524711 °
DWR ID	DWR_RD1001_06_f_2013_19				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
There are depressions on the crown where there is cross traffic. Monitor this area and fix as needed.					

Photo 1 of 1 : SP\_2020\_RD1001\_40\_19\_20200227\_00006.jpg



View of crown where there is cross traffic looking upstream. Monitor this area and fix as needed.

LM Start	4.36	Rating **	U	Issue No.	61
LM End	4.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.893448 °	38.893448 °
				-121.524719 °	-121.524719 °
DWR ID	22618				
Comment Code					
Inspector Comment					
DS_ID:22618 FS_ID:55210 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/21/2019 Record has been updated from Non-Urgent to Urgent, due to potential levee integrity. Scour hole visible at WS toe that appears to be within the project prism. No permit has been found authorizing this crossing. Record updated with USACE O&M reference. (O. Magana - DWR UCIP)05/15/2013 - damaged head/wing wall in inlet structure. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity irrigation pipe through the levee, 15.9 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterward slope. Pipe discharges into a large irrigation ditch on the west side of Pacific Avenue. (Joplin and South Sutter Water District). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual, Unit 142 - Back Levee of Reclamation District No. 1001, June 1959, Revised 04 May 2018, 30-inch pipe (HLM 4.38)]. FS Date: 8/21/2019 12:58:00 PM					

Photo 1 of 3 : UCIP\_SP\_2020\_55210\_22034.jpg



WS- slide gate in CMP riser.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	<b>4.36</b>	Rating **	U	Issue No.	<b>61 (cont)</b>
LM End	<b>4.36</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.893448 °	38.893448 °	
			-121.524719 °	-121.524719 °	
DWR ID	22618				

Photo 2 of 3 : UCIP\_SP\_2020\_55210\_22033.jpg



WS- inlet wing wall with trashrack

LM Start	<b>4.36</b>	Rating **	U	Issue No.	<b>61 (cont)</b>
LM End	<b>4.36</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_55210\_22032.jpg



WS- inlet pipe with trashrack in a damaged wing wall

LM Start	4.71	Rating **	M	Issue No.	24
LM End	4.71	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.896310 °	38.896310 °
				-121.520674 °	-121.520674 °
DWR ID	DWR_RD1001_06_f_2016_24				
Comment Code					
EQ : Equipment					
Inspector Comment					
Old piece of pipe still lying on landside levee slope, and equipment on levee crown. Fall 2019.					

Photo 1 of 2 : SP\_2020\_RD1001\_40\_24\_20200227\_00009.jpg



View looking upstream on crown of a piece of equipment that prohibits access, Spring 2019.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2020**

**Reclamation District No. 1001 Nicolaus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/26/2020 03/26/2020	Sterling York

LM Start	4.71	Rating **	M	Issue No.	24 (cont)
LM End	4.71	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.896310 °	38.896310 °
				-121.520674 °	-121.520674 °
DWR ID	DWR_RD1001_06_f_2016_24				

Photo 2 of 2 : SP\_2020\_RD1001\_40\_24\_20200227\_00010.jpg



View of an old piece of pipe still lying on landside levee slope looking downstream. Fall 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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